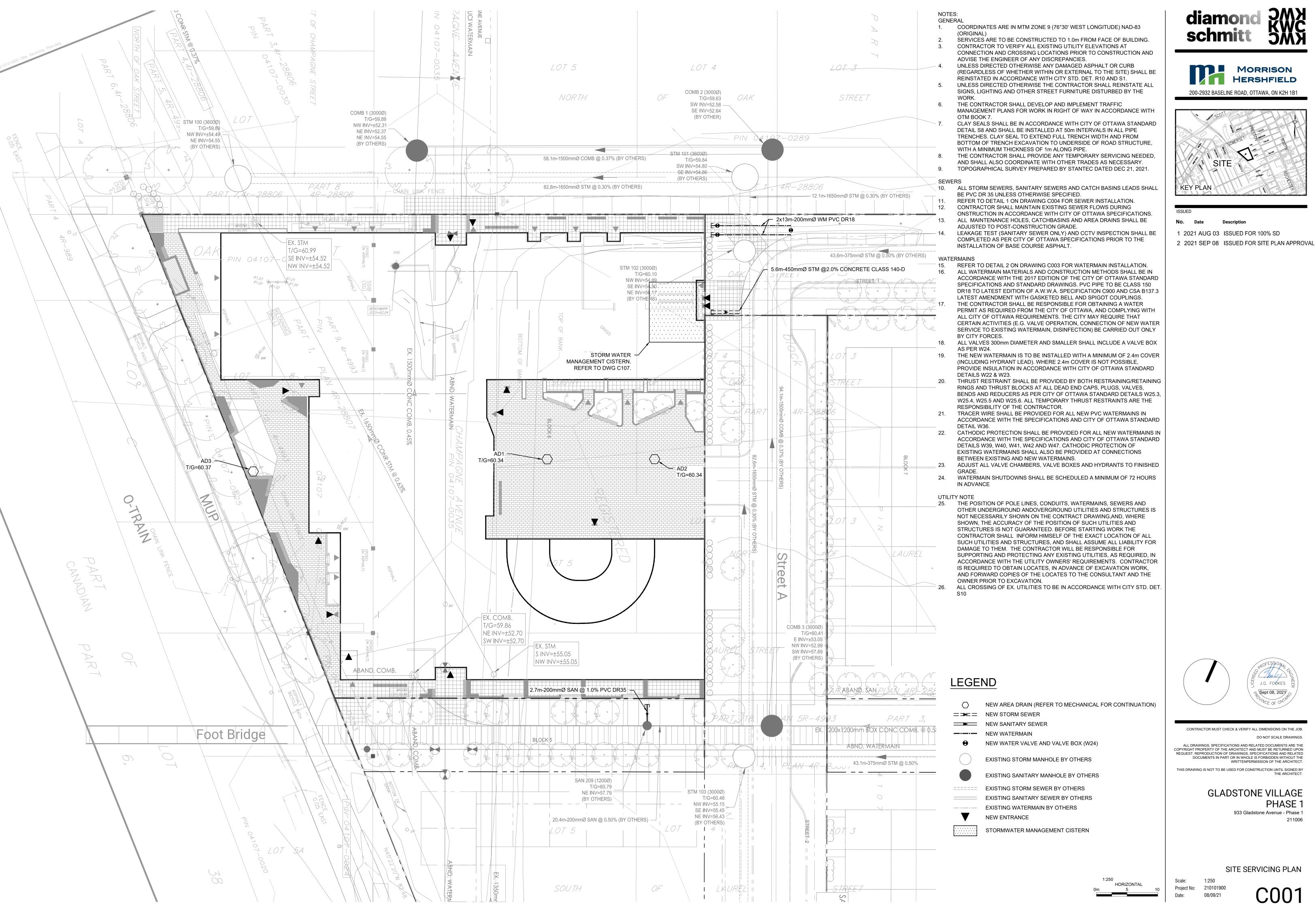


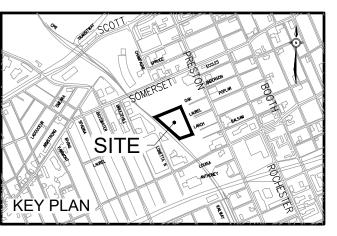
GLADSTONE VILLAGE
933 GLADSTONE AVENUE



INDEX						
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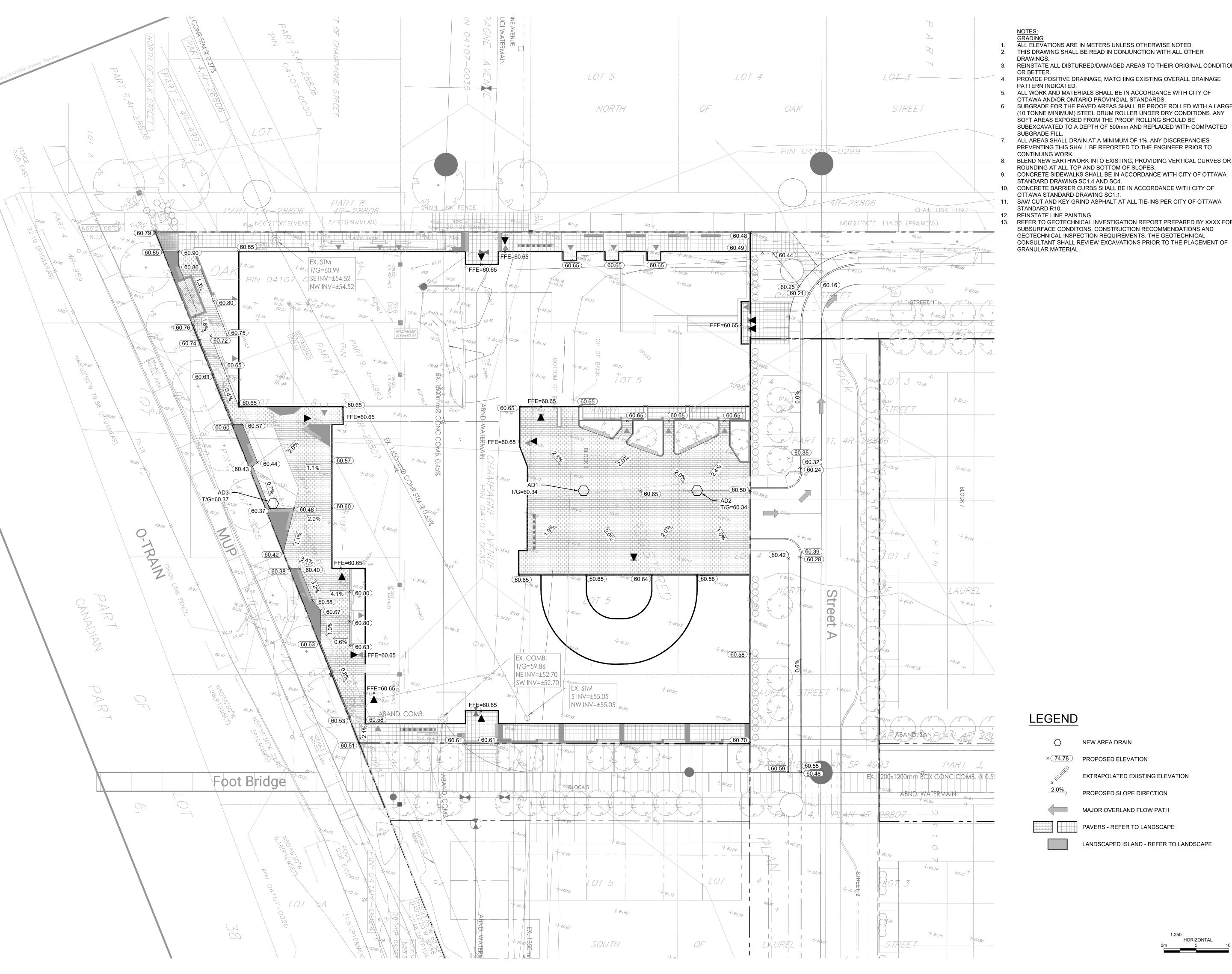
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GLADSTONE VILLAGE

PHASE 1 933 Gladstone Avenue - Phase 1

SITE SERVICING PLAN

1:250

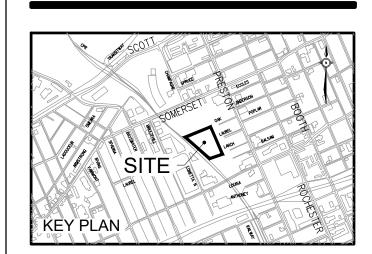




- ALL ELEVATIONS ARE IN METERS UNLESS OTHERWISE NOTED. 2. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL OTHER
- 3. REINSTATE ALL DISTURBED/DAMAGED AREAS TO THEIR ORIGINAL CONDITION
- 4. PROVIDE POSITIVE DRAINAGE, MATCHING EXISTING OVERALL DRAINAGE
- 5. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CITY OF
- OTTAWA AND/OR ONTARIO PROVINCIAL STANDARDS. SUBGRADE FOR THE PAVED AREAS SHALL BE PROOF ROLLED WITH A LARGE (10 TONNE MINIMUM) STEEL DRUM ROLLER UNDER DRY CONDITIONS. ANY SOFT AREAS EXPOSED FROM THE PROOF ROLLING SHOULD BE SUBEXCAVATED TO A DEPTH OF 500mm AND REPLACED WITH COMPACTED
- 7. ALL AREAS SHALL DRAIN AT A MINIMUM OF 1%. ANY DISCREPANCIES PREVENTING THIS SHALL BE REPORTED TO THE ENGINEER PRIOR TO
- CONCRETE SIDEWALKS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD DRAWING SC1.4 AND SC4.
- CONCRETE BARRIER CURBS SHALL BE IN ACCORDANCE WITH CITY OF
- OTTAWA STANDARD DRAWING SC1.1.
- 11. SAW CUT AND KEY GRIND ASPHALT AT ALL TIE-INS PER CITY OF OTTAWA
- 13. REFER TO GEOTECHNICAL INVESTIGATION REPORT PREPARED BY XXXX FOR SUBSURFACE CONDITONS, CONSTRUCTION RECOMMENDATIONS AND GEOTECHNICAL INSPECTION REQUIREMENTS. THE GEOTECHNICAL CONSULTANT SHALL REVIEW EXCAVATIONS PRIOR TO THE PLACEMENT OF

diamond schmitt

MORRISON HERSHFIELD 200-2932 BASELINE ROAD, OTTAWA, ON K2H 1B1



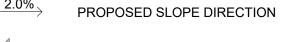
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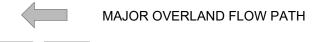
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NEW AREA DRAIN × 74.78 PROPOSED ELEVATION

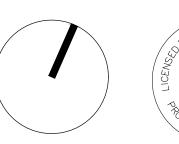






LANDSCAPED ISLAND - REFER TO LANDSCAPE

HORIZONTAL



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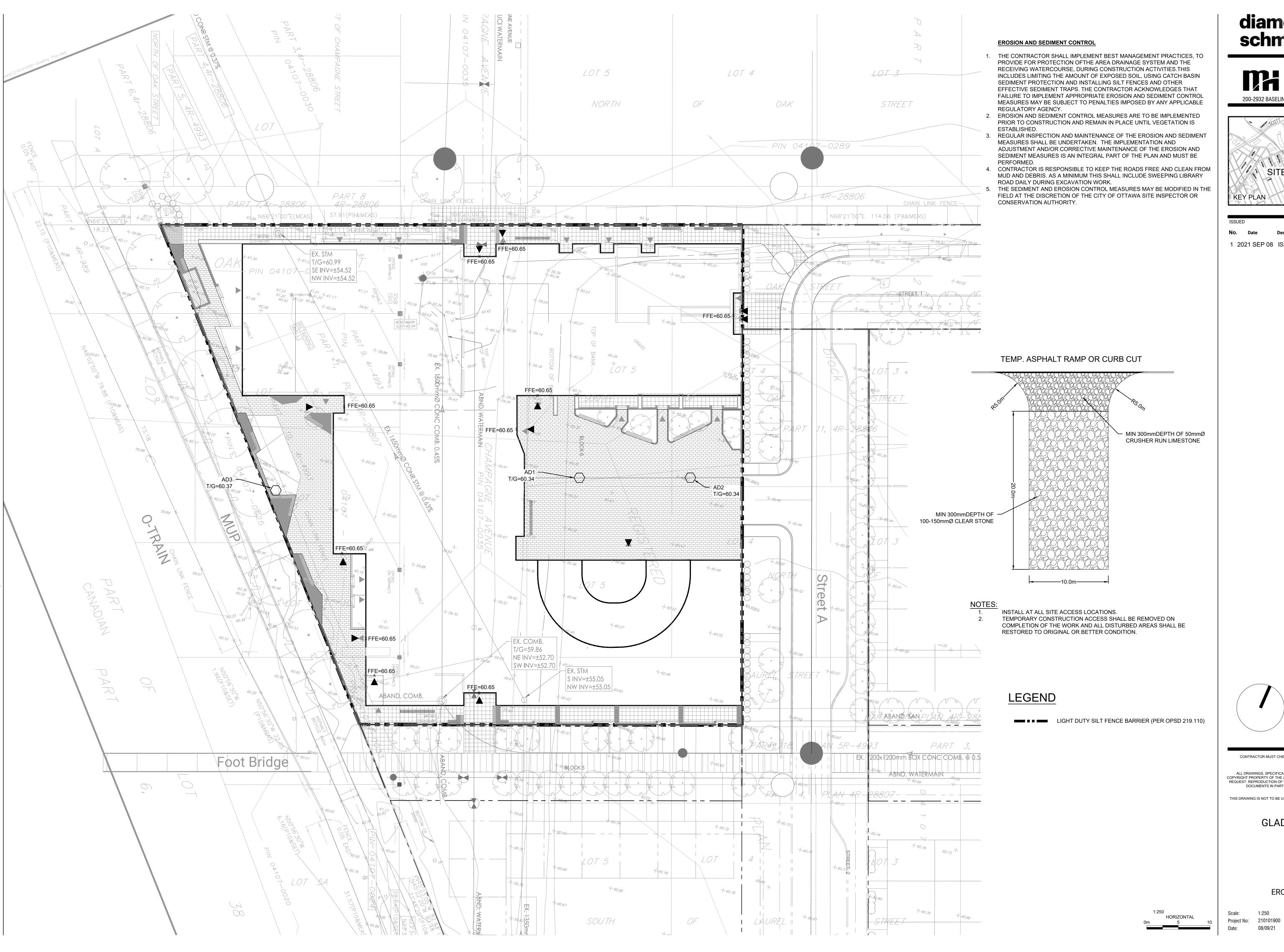
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GLADSTONE VILLAGE PHASE 1 933 Gladstone Avenue - Phase 1

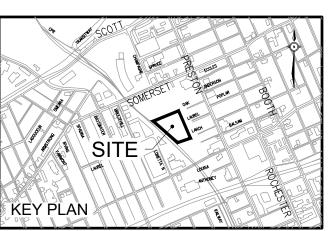
GRADING PLAN

1:250 Scale: Project No: 210101900 08/09/21

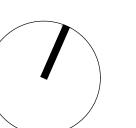
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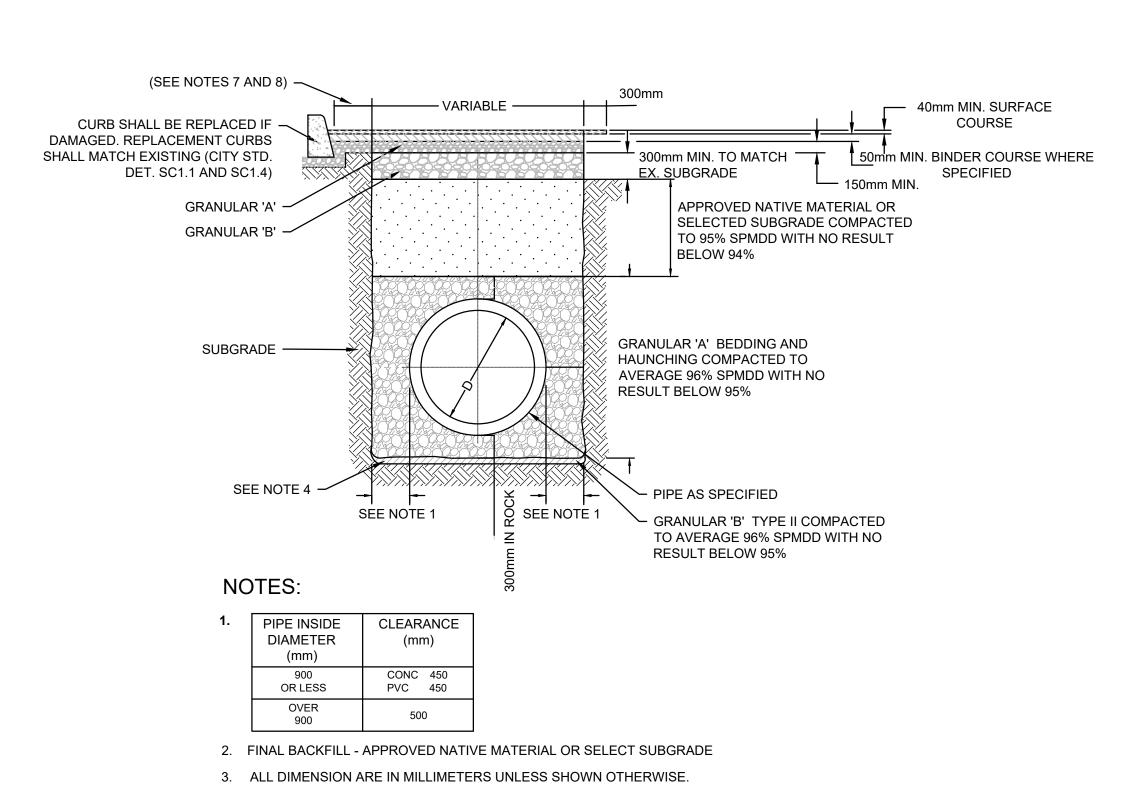
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GLADSTONE VILLAGE PHASE 1

933 Gladstone Avenue - Phase 1

EROSION AND SEDIMENT

CONTROL PLAN



4. WHEN NECESSARY POOR SOILS SHALL BE EXCAVATED TO CREATE A FOUNDATION THAT SHALL

5. THE USE OF CLEAR CRUSHED STONE AS A BEDDING LAYER IS NOT PERMITTED ANYWHERE ON

8. ROAD REINSTATEMENT ON THE CURB SIDE OF THE TRENCH EXCAVATION SHALL EXTEND TO

BE FILLED TO THE BOTTOM OF THE BEDDING WITH GRANULAR 'B'.

6. ALL EXISTING ASPHALT AND CONCRETE REMOVAL LIMITS TO BE SAWCUT.

7. 300 MM KEY TO BE SAWCUT AND REMOVED OR MILLED.

9. TACK COAT SHALL BE APPLIED TO ALL MILLED SURFACES

SEWER AND WATERMAIN INSTALLATION

N.T.S.

THIS SITE.

THE CURB FACE.

(SEE NOTES 6 AND 7) CURB SHALL BE REPLACED IF DAMAGED. REPLACEMENT CURBS SHALL MATCH EXISTING (CITY STD. 300mm MIN. TO MATCH DET. SC1.1 AND SC1.4) EX. SUBGRADE — 150mm MIN. GRANULAR 'A' APPROVED NATIVE MATERIAL OR GRANULAR 'B' SELECTED SUBGRADE COMPACTED TO 95% SPMDD WITH NO RESULT BELOW 94% - GRANULAR 'A' COMPACTED TO AVERAGE 96% SPMDD WITH NO RESULT BELOW 95% SUBGRADE 150mm MIN. IN SOIL 300mm MIN. IN ROCK - SEE NOTE 4 SEE NOTE 1 SEE NOTE 1 - GRANULAR 'B' TYPE II COMPACTED TO AVERAGE 96% SPMDD WITH NO RESULT BELOW 95%

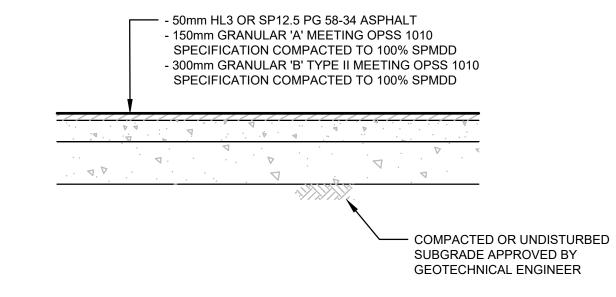
40mm MIN. SURFACE COURSE 50mm MIN. BINDER COURSE WHERE SPECIDIED

NOTES:

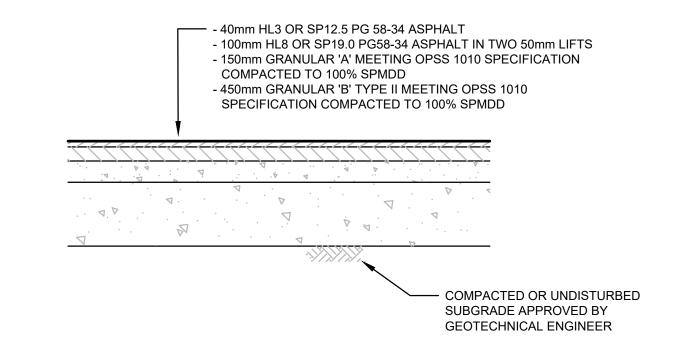
1.	PIPE INSIDE DIAMETER (mm)	CLEARANCE (mm)
	900 OR LESS	450
	OVER 900	500

- 2. ALL EXISTING ASPHALT REMOVAL AND CONCRETE LIMITS TO BE SAWCUT.
- 3. TRENCH SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD DETAIL W17.
- 4. WHEN NECESSARY POOR SOILS SHALL BE EXCAVATED TO CREATE A FOUNDATION THAT SHALL BE FILLED TO THE BOTTOM OF THE BEDDING WITH GRANULAR 'B'.
- 5. THE USE OF CLEAR CRUSHED STONE AS A BEDDING LAYER IS NOT PERMITTED ANYWHERE ON THIS SITE.
- 6. 300mm KEY TO BE SAWCUT AND REMOVED OR MILLED.
- 7. ROAD REINSTATEMENT ON THE CURB SIDE OF THE TRENCH EXCAVATION SHALL EXTEND TO THE CURB FACE.
- 8. TACK COAT SHALL BE APPLIED TO ALL MILLED SURFACES.

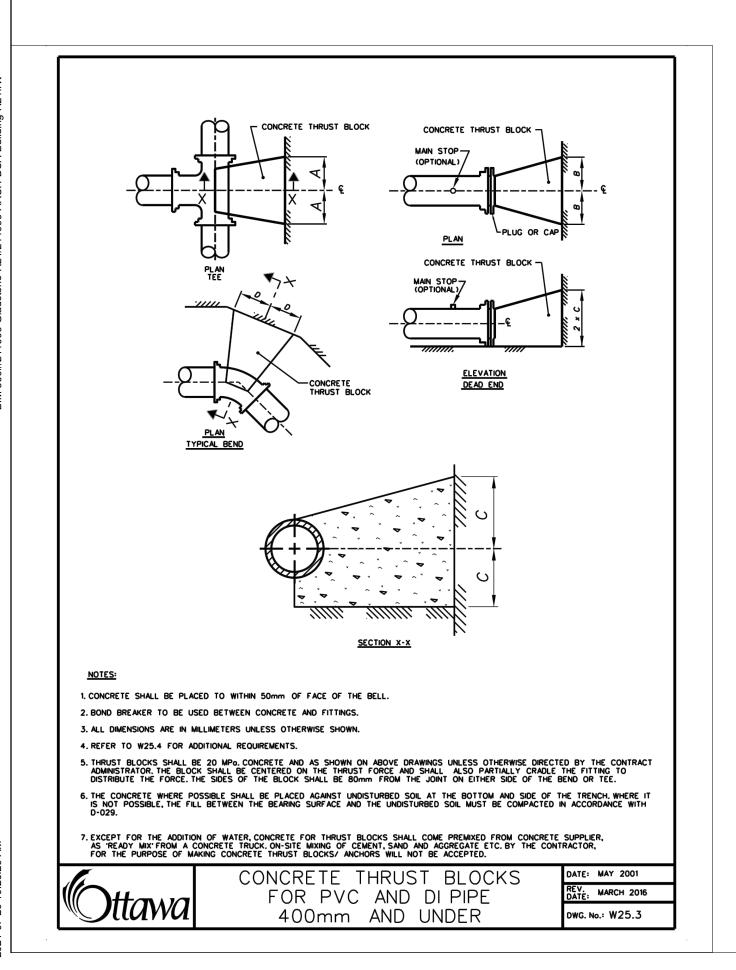


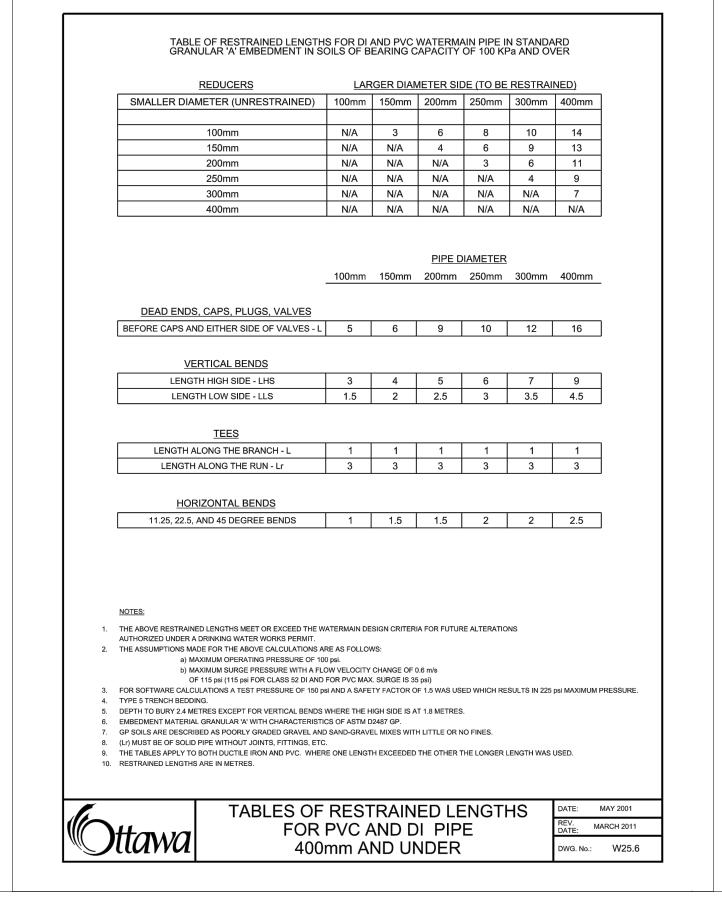


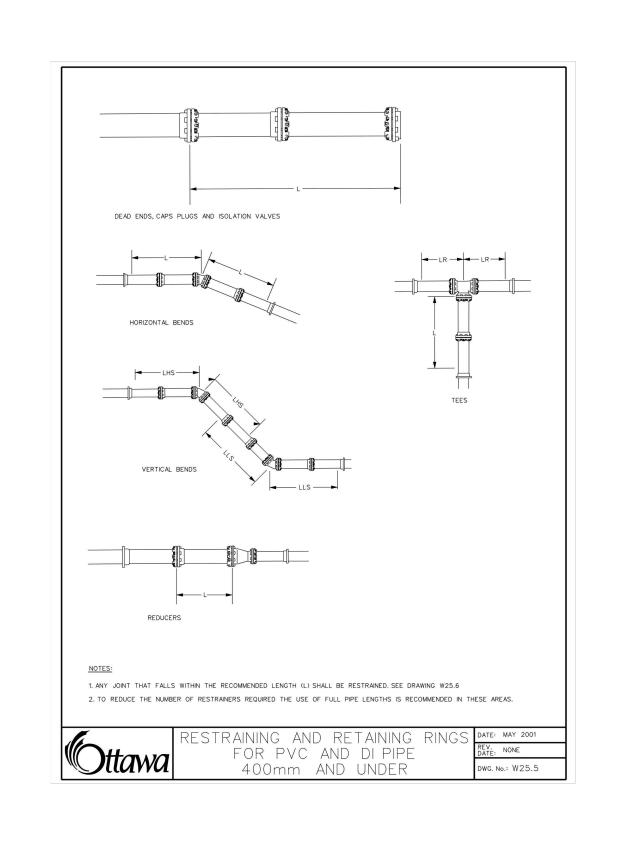


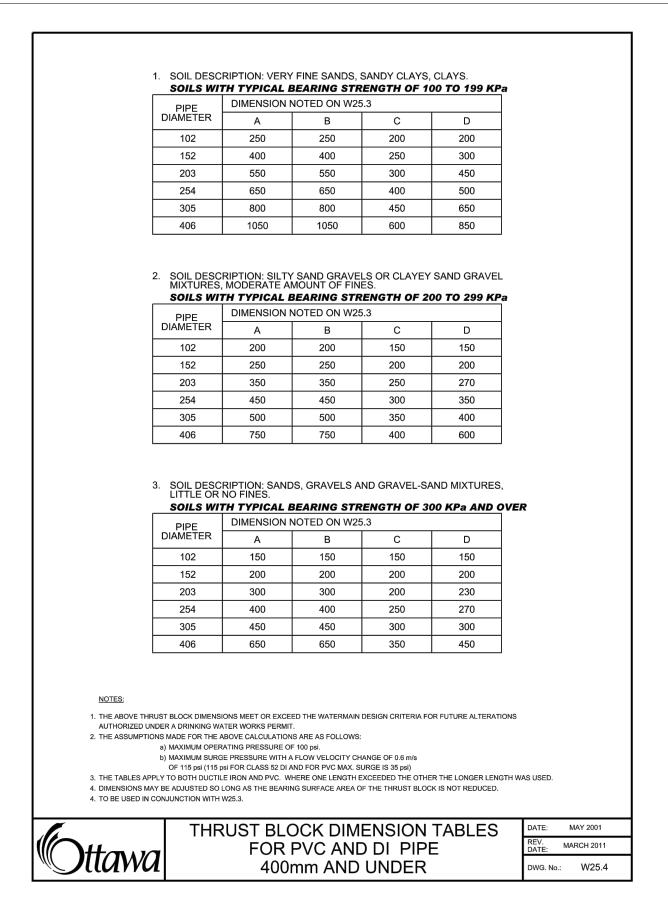


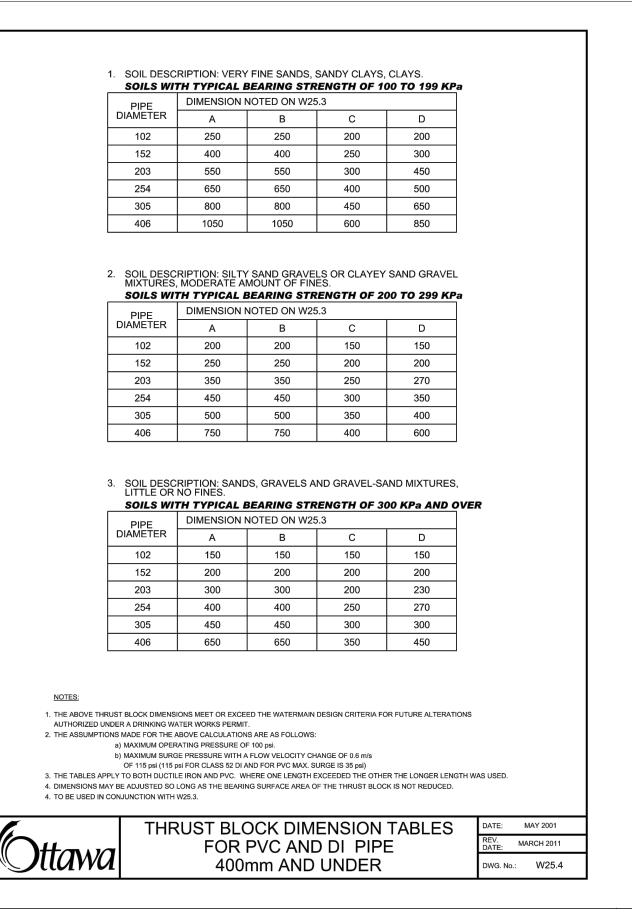






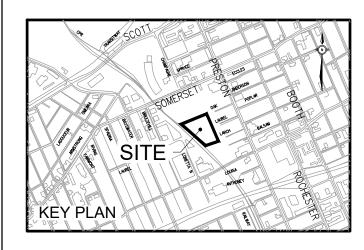




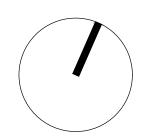




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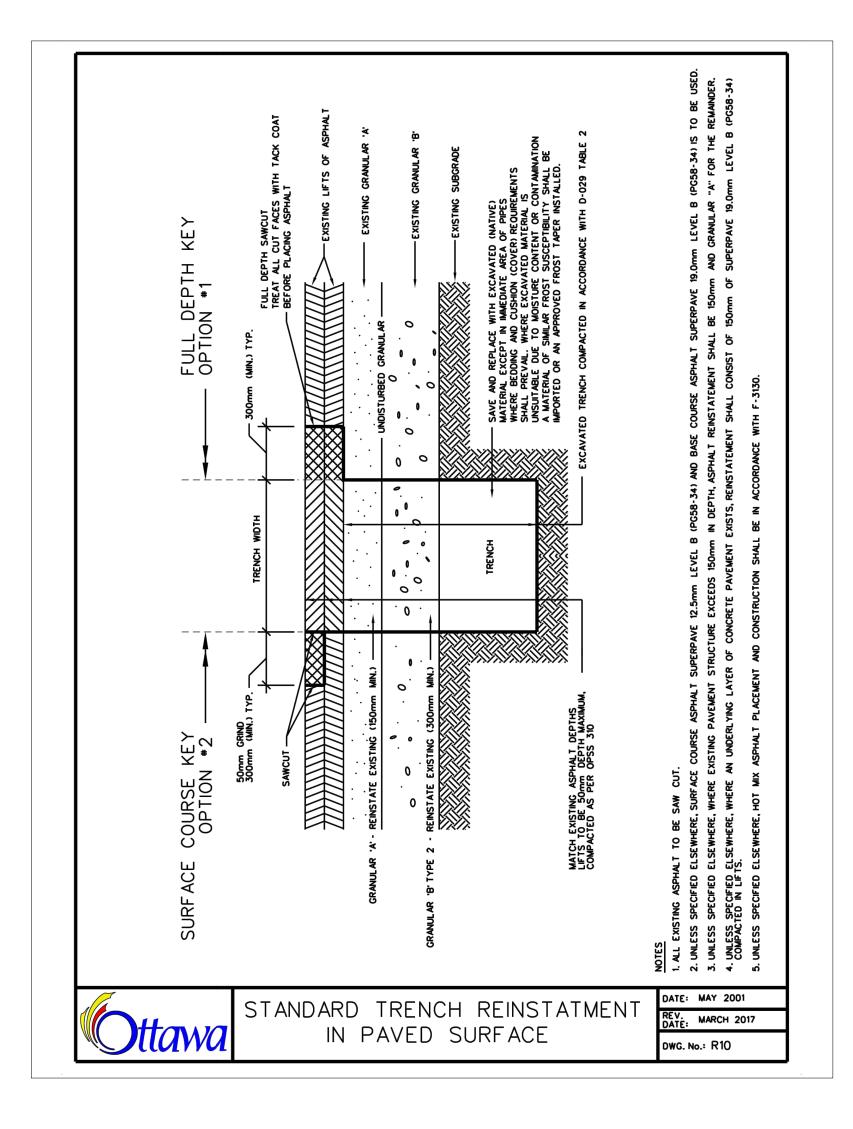
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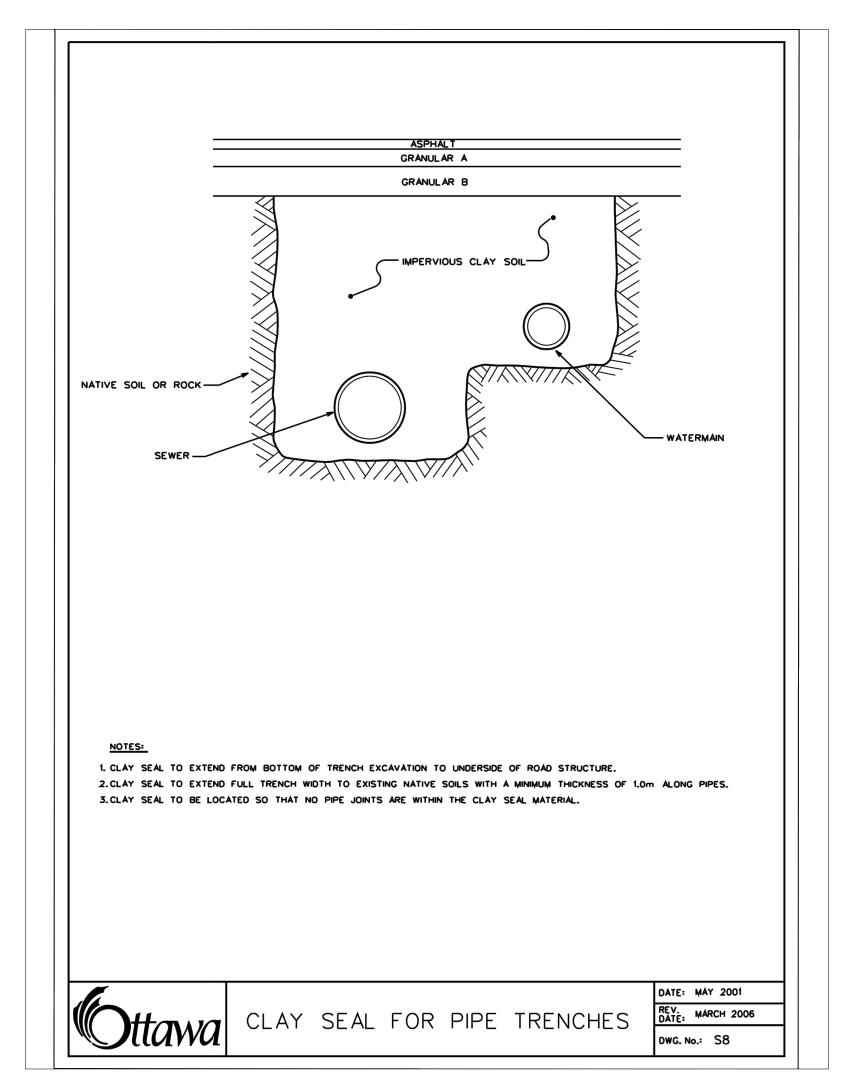
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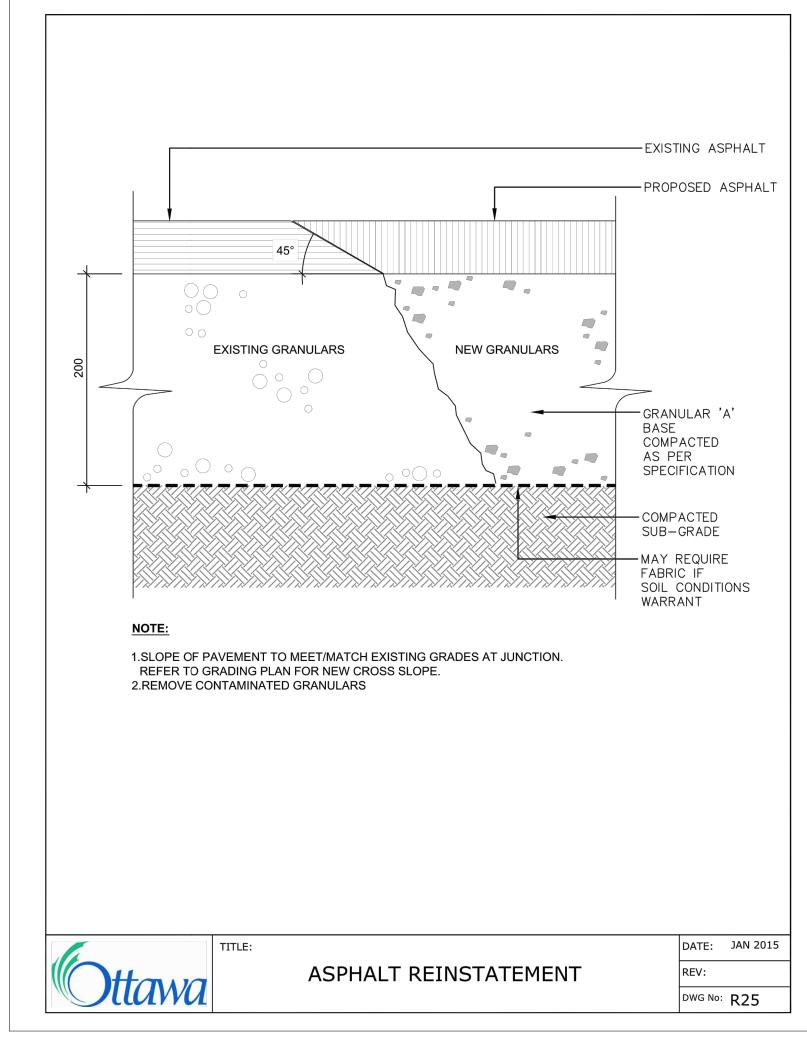
GLADSTONE VILLAGE 933 Gladstone Avenue - Phase 1

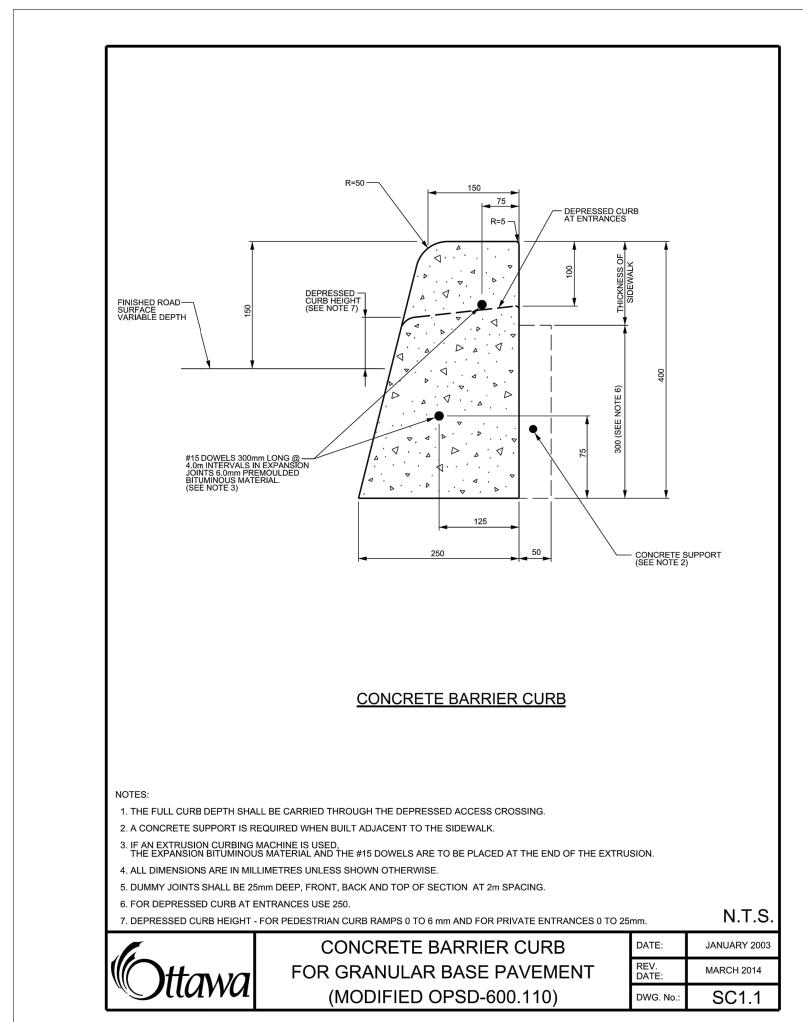
DETAILS 1

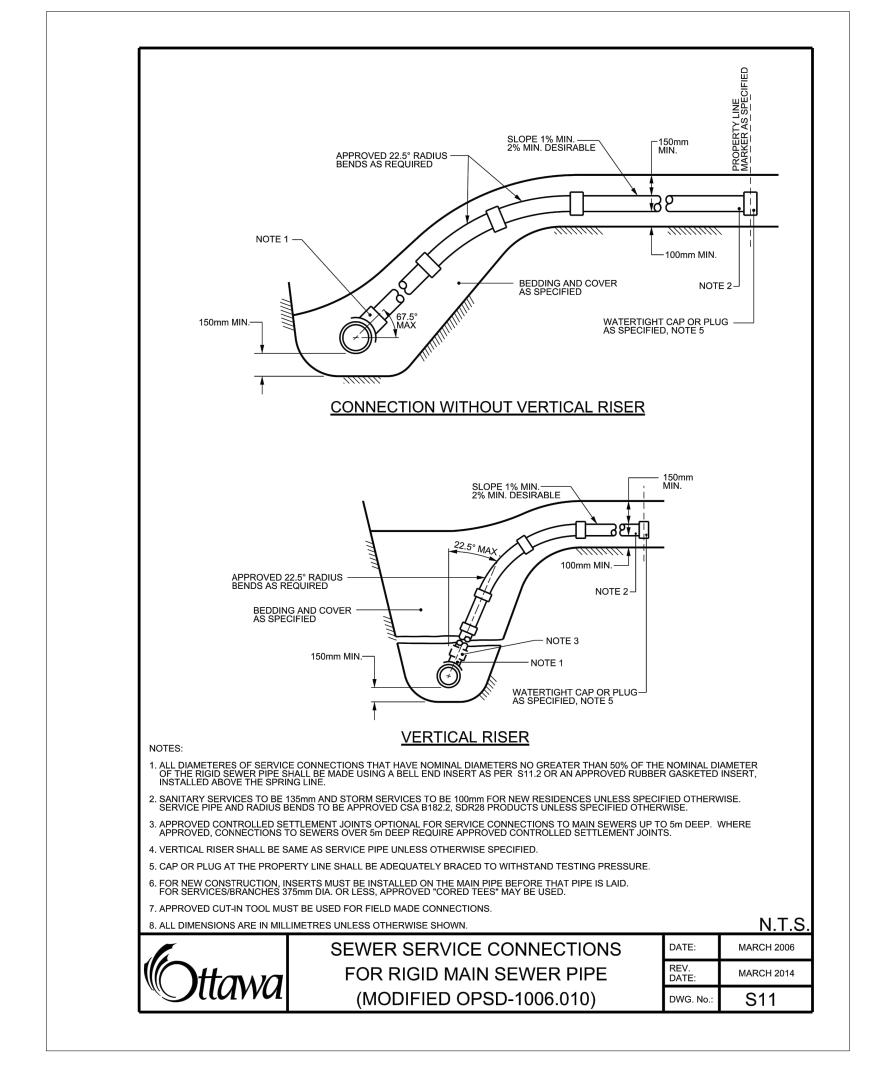
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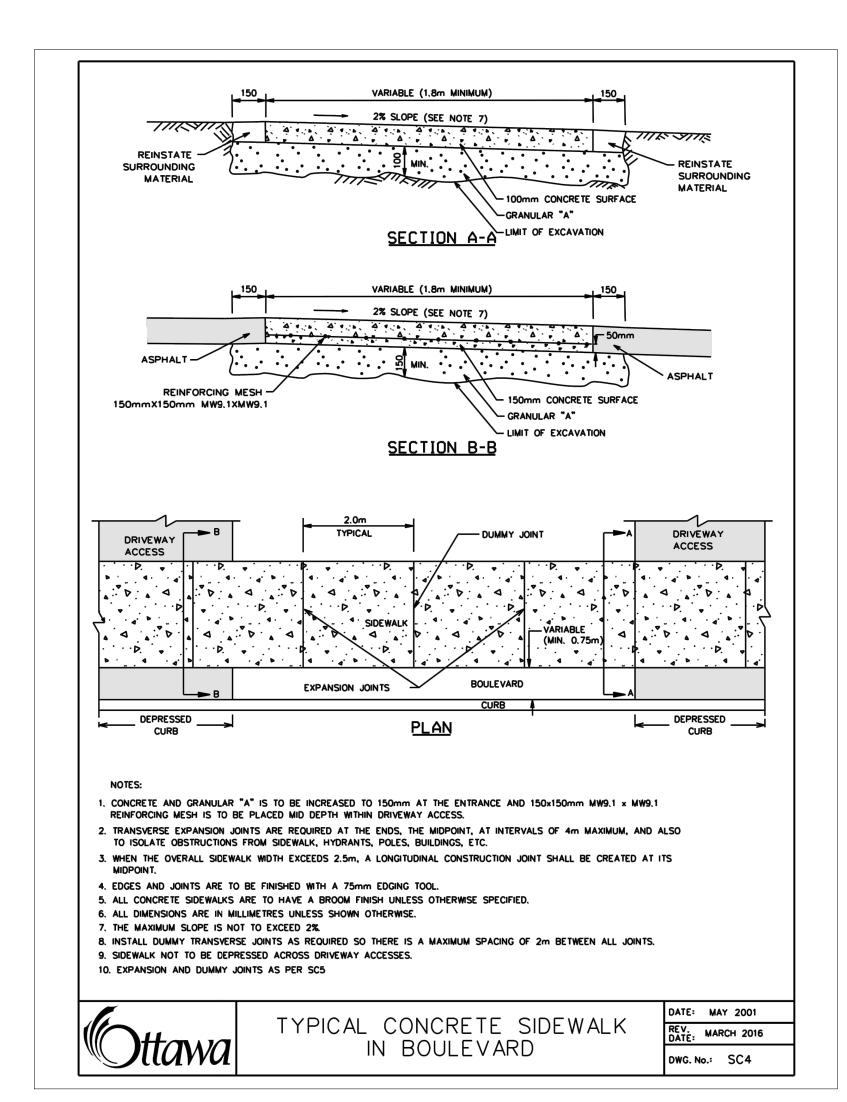




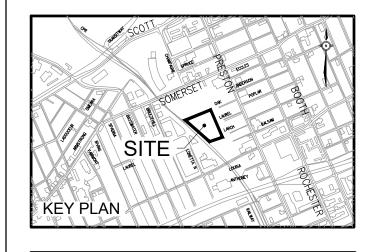








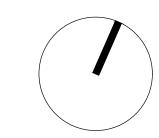




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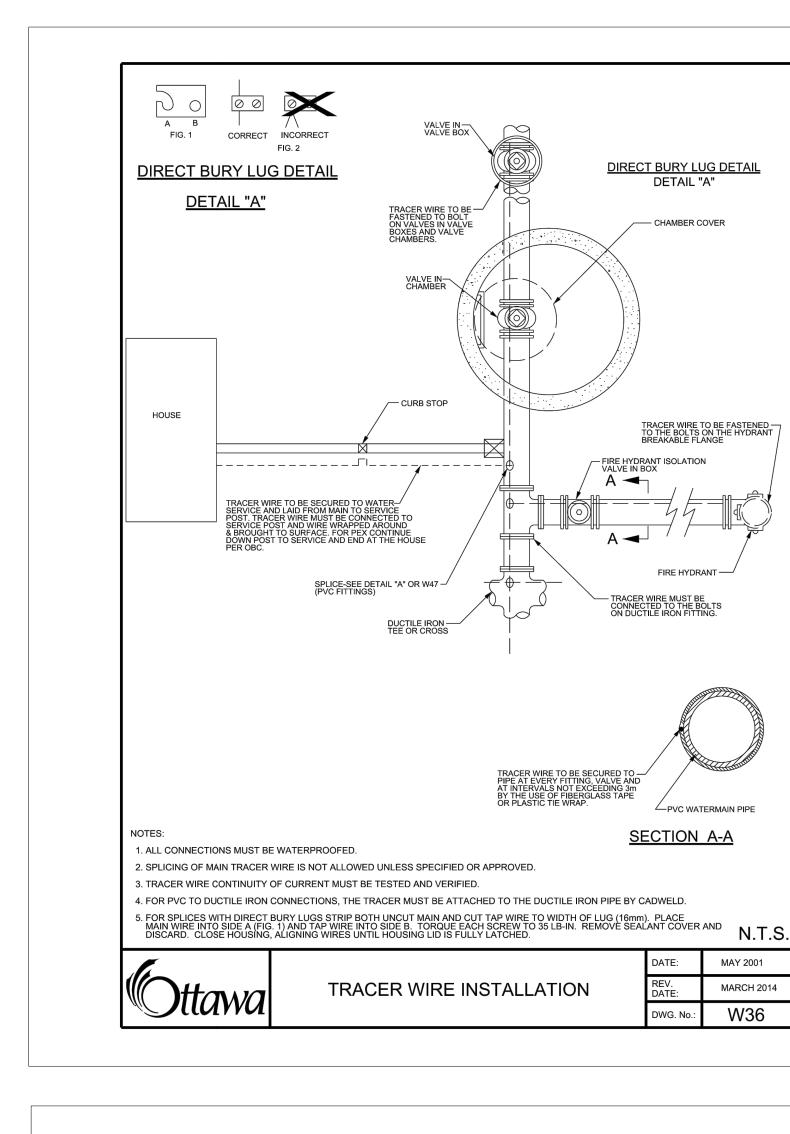
GLADSTONE VILLAGE
PHASE 1
933 Gladstone Avenue - Phase 1

DETAILS 2

Scale: N/A
Project No: 210101900

Date:

08/09/21



100 PVC + A

- DUCTILE SERVICE

 $oldsymbol{\mathsf{A}}$ - DENOTES ANODE LOCATION

TYPICAL ANODE INSTALLATION

PVC WATERMAIN

SPACING AS PER W41 — > WITHIN ROW

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.

MAY 2001

MARCH 2014

W36

10.9

10.9

10.9

50mm PEX

MAY 2001

MARCH 2014

W42

ANODE TYPE

Z-12-24

Z-12-24

Z-24-48

Z-12-24

Z-12-24

Z-24-48

Z-24-48

19 TO 50 COPPER SERVICE

38 TO 50 PEX SERVICE

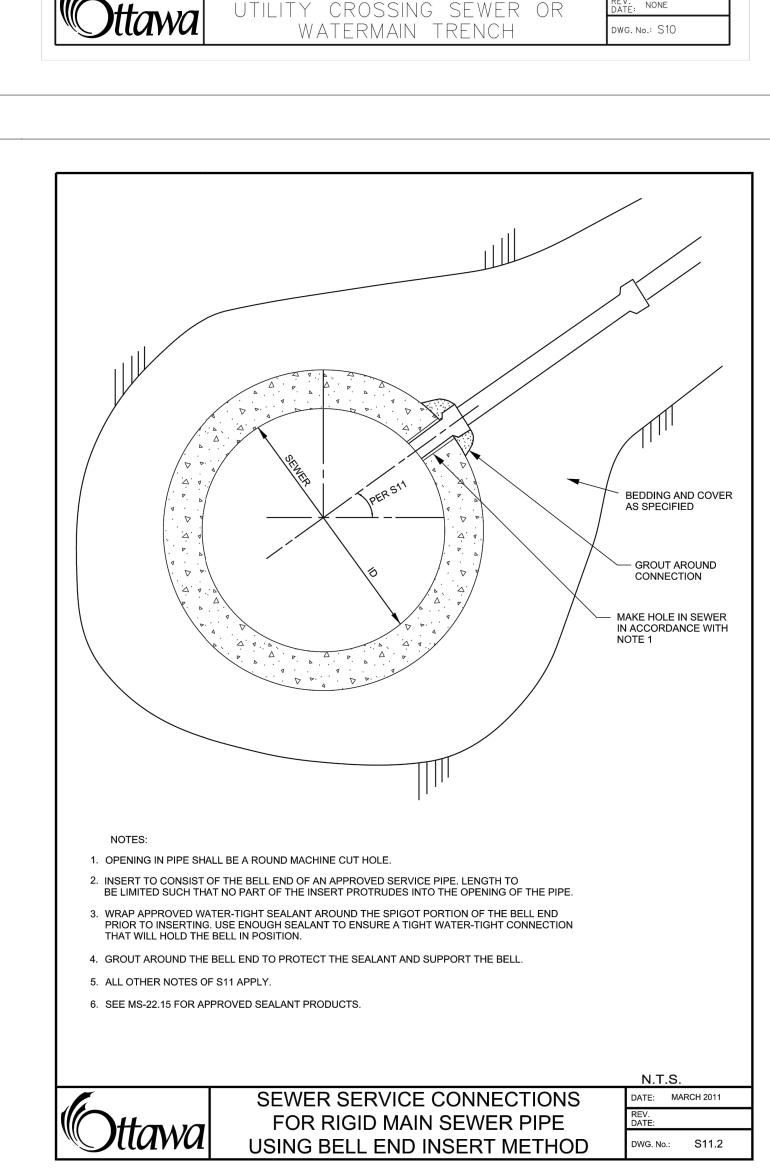
100 TO 300 DI SERVICE

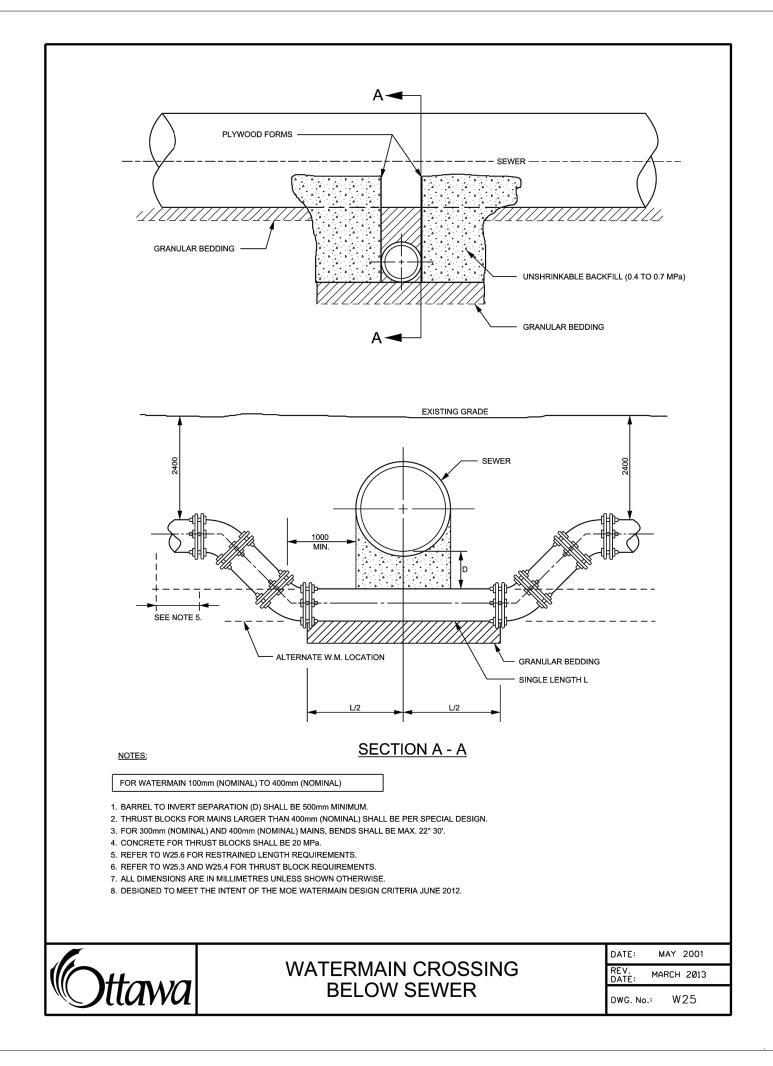
100 TO 300 DI FITTINGS

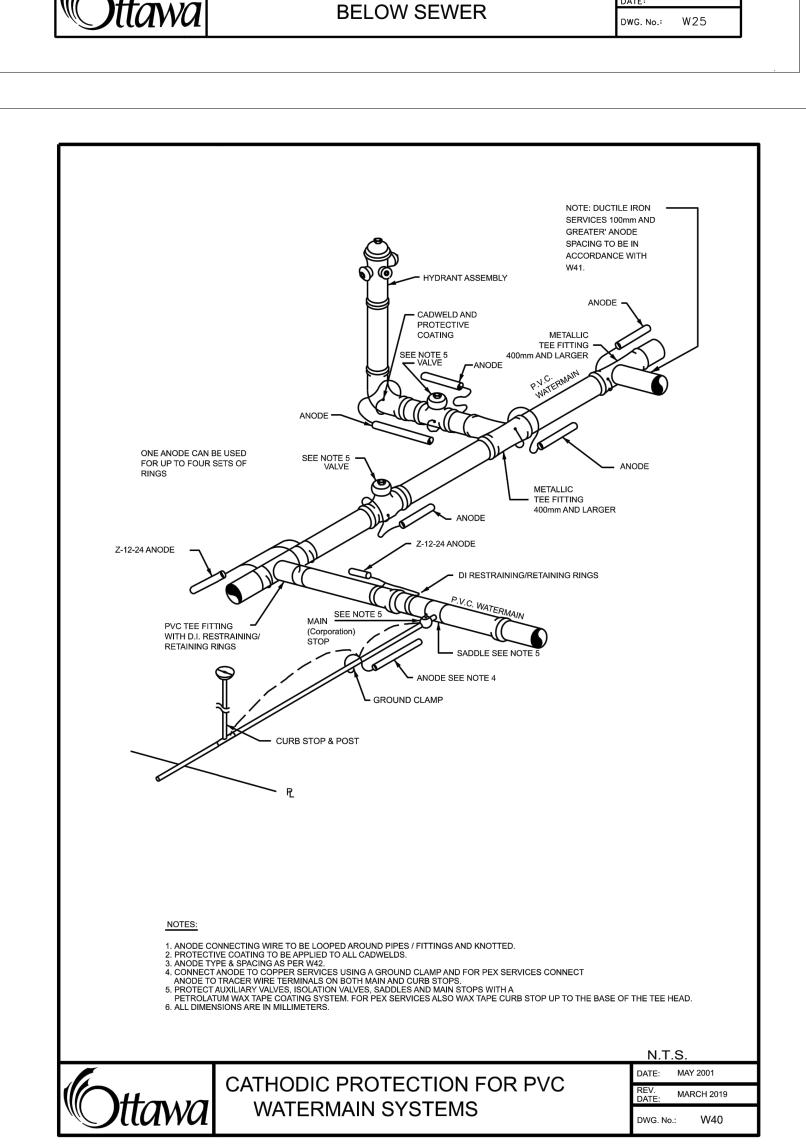
100 TO 250 VALVES

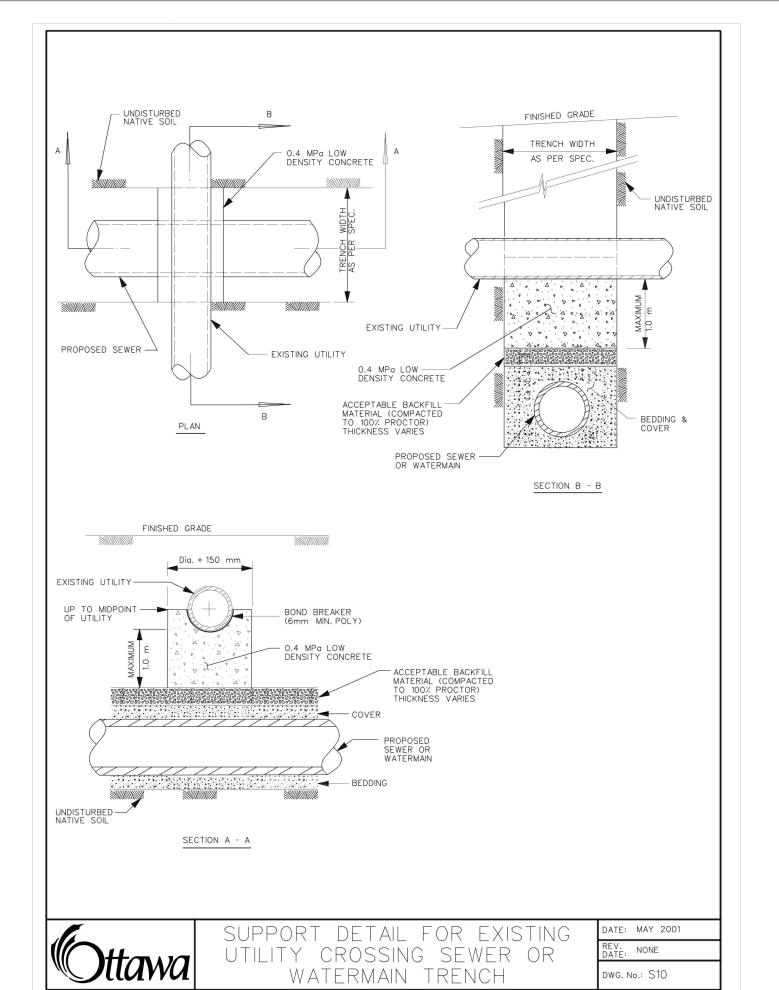
400 DI SERVICE/FITTINGS/VALVES

HYDRANT ASSEMBLY



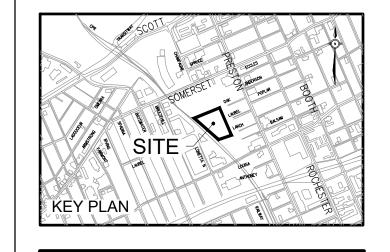




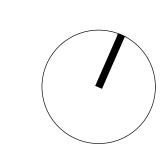




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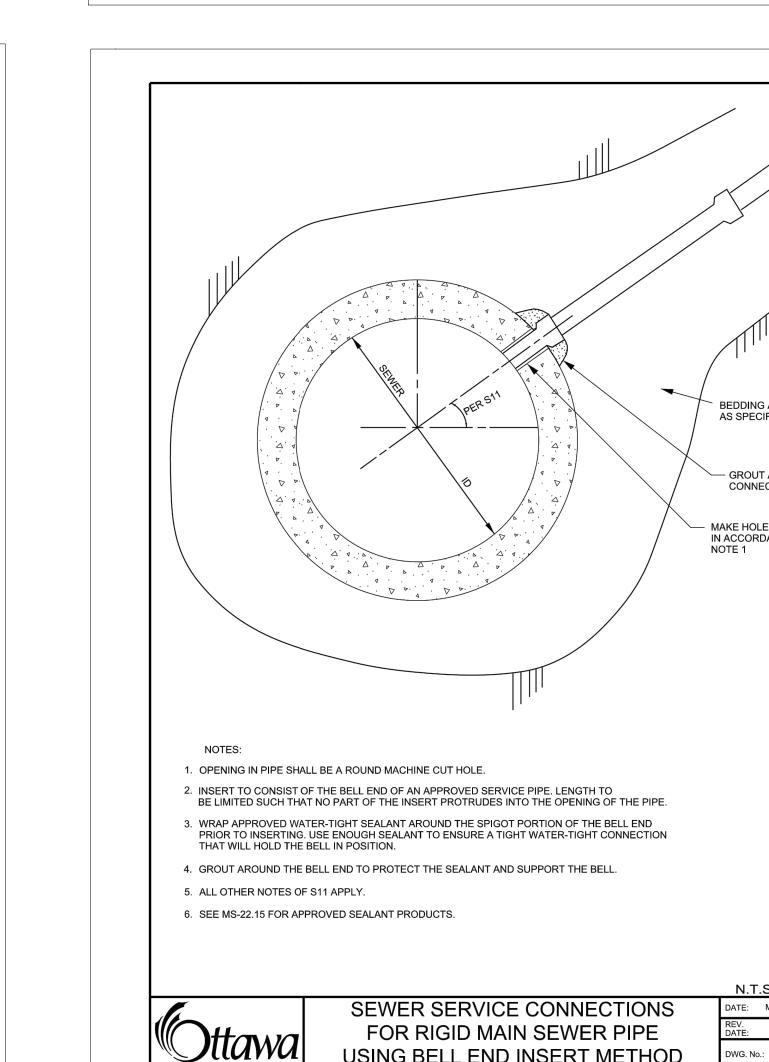
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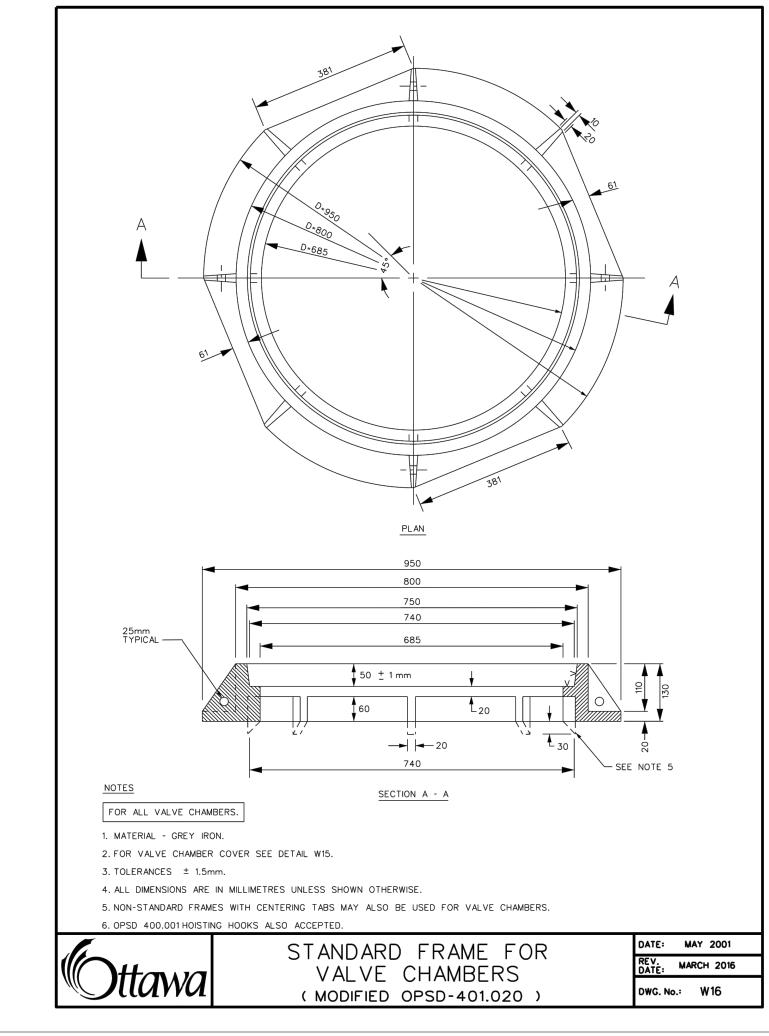
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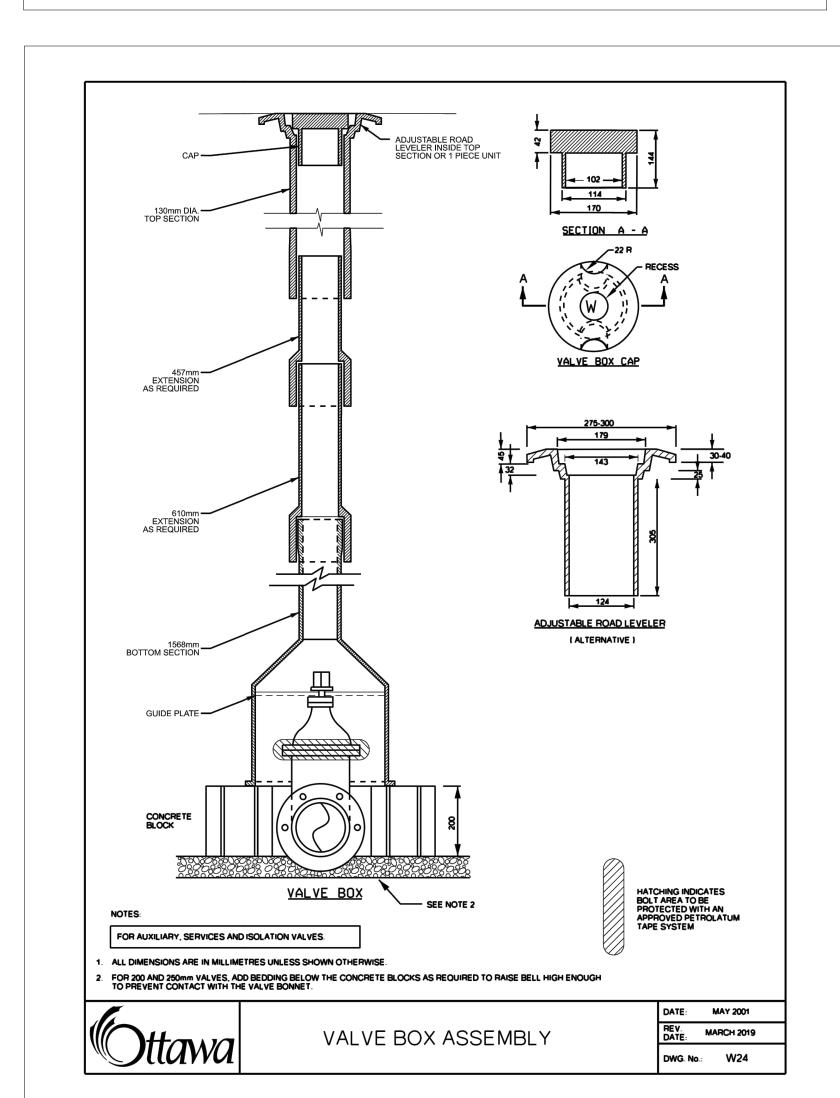
PHASE 1 933 Gladstone Avenue - Phase 1

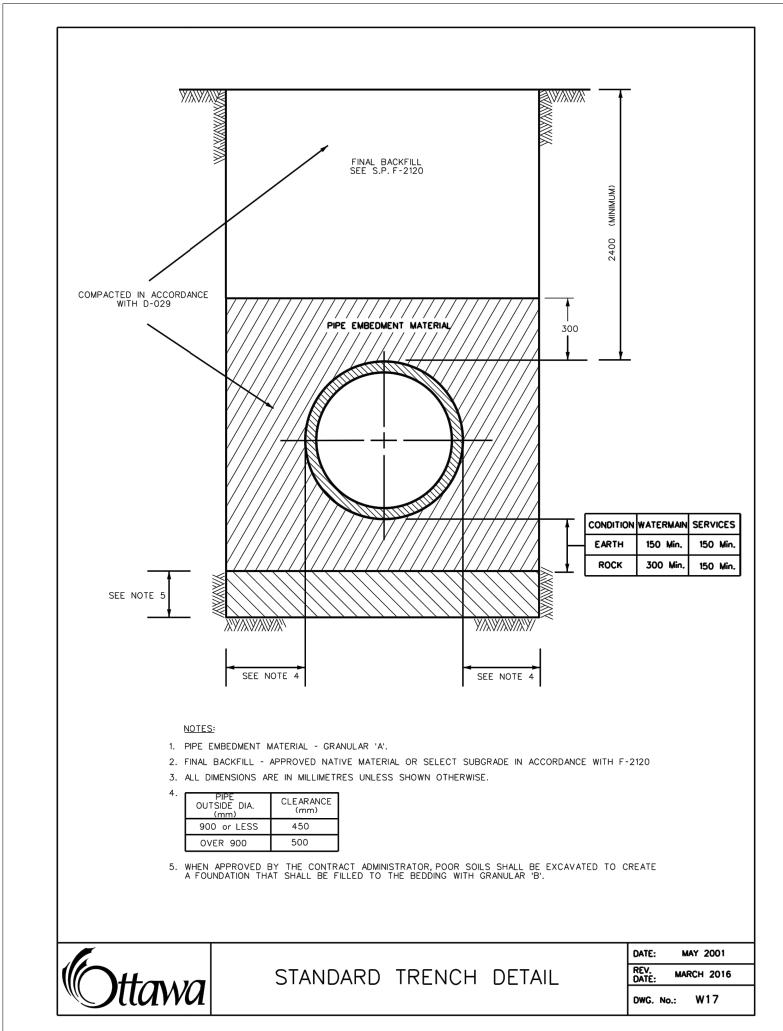
DETAILS 3

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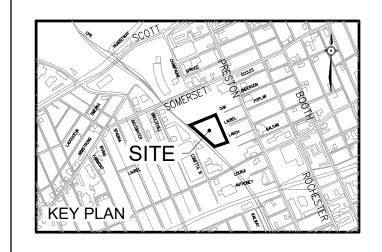




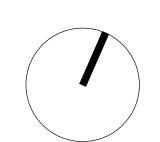








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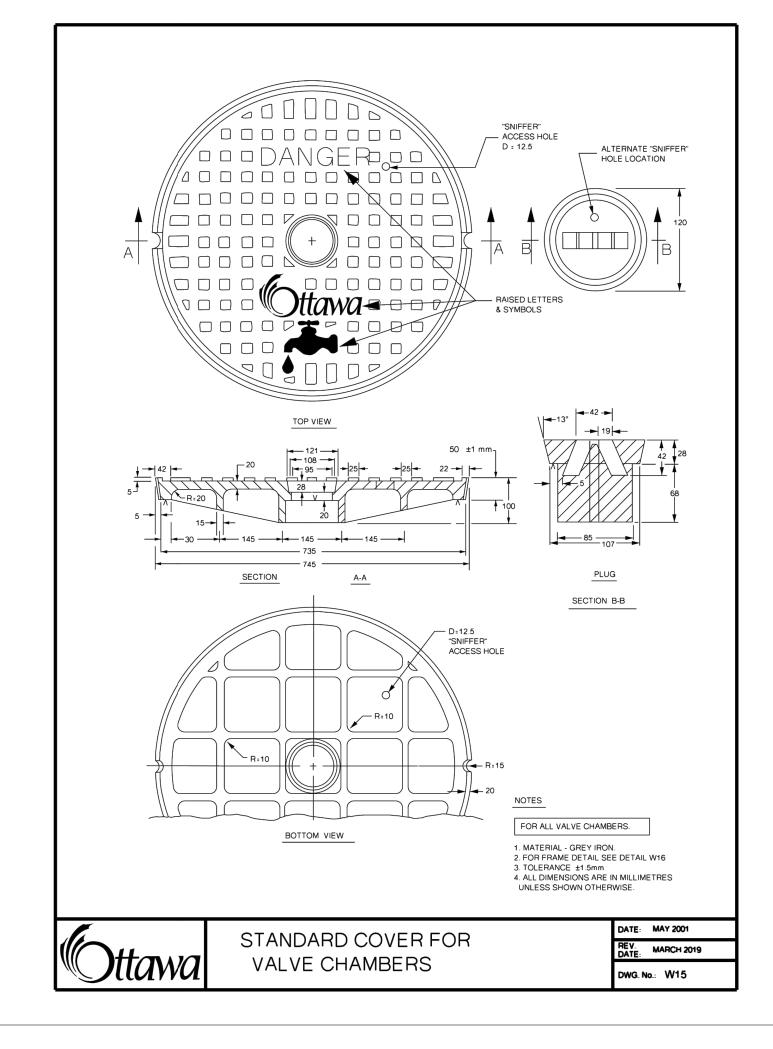
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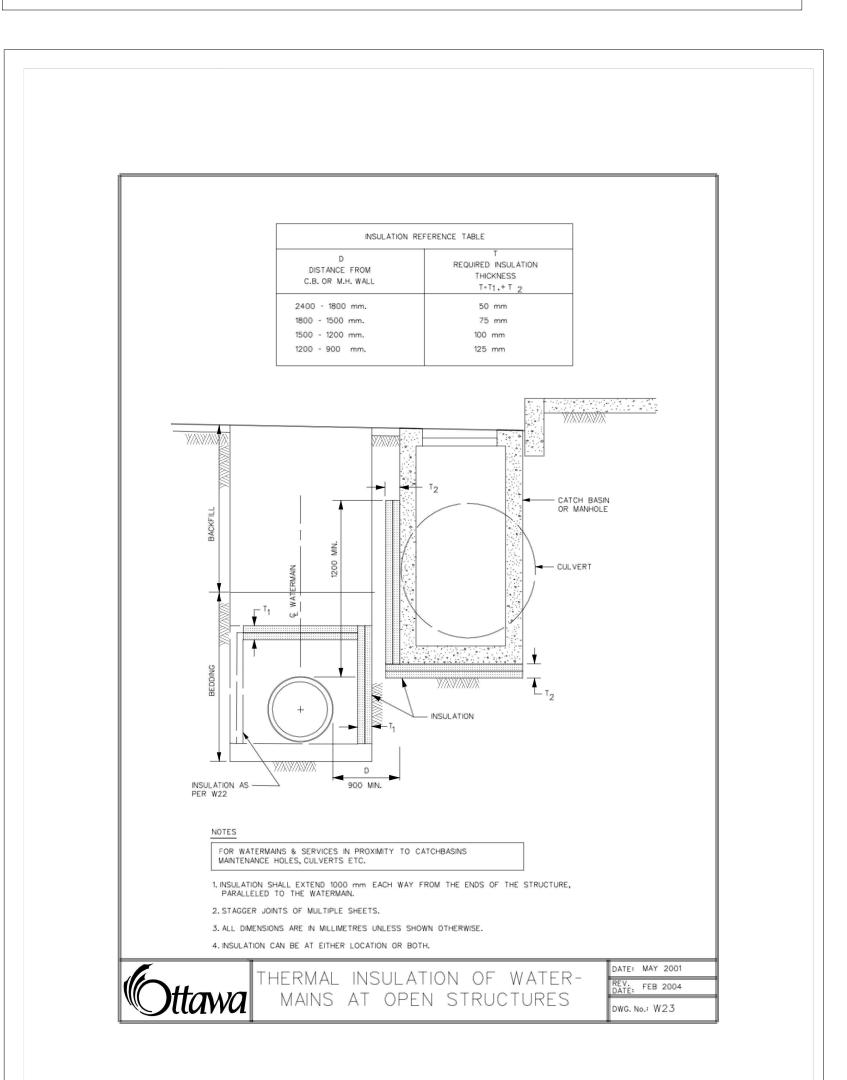
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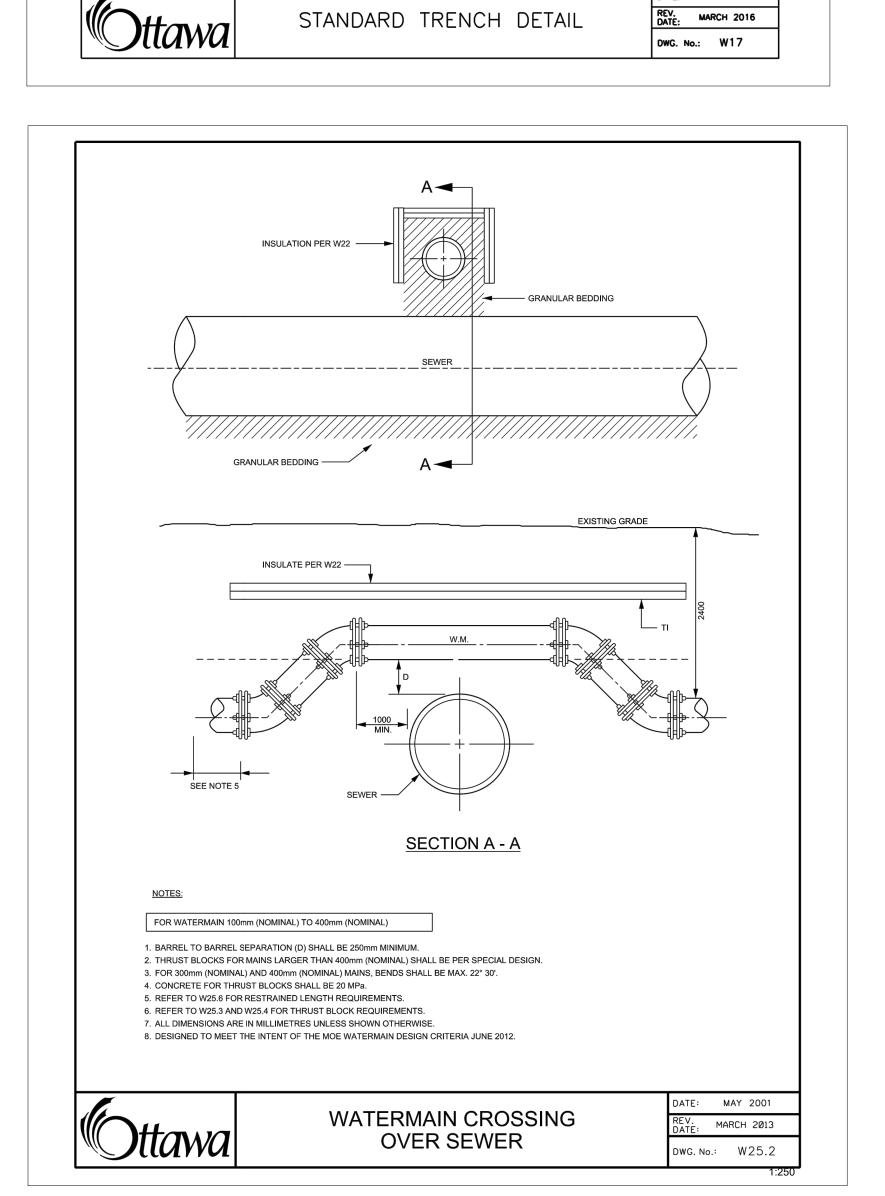
GLADSTONE VILLAGE PHASE 1 933 Gladstone Avenue - Phase 1

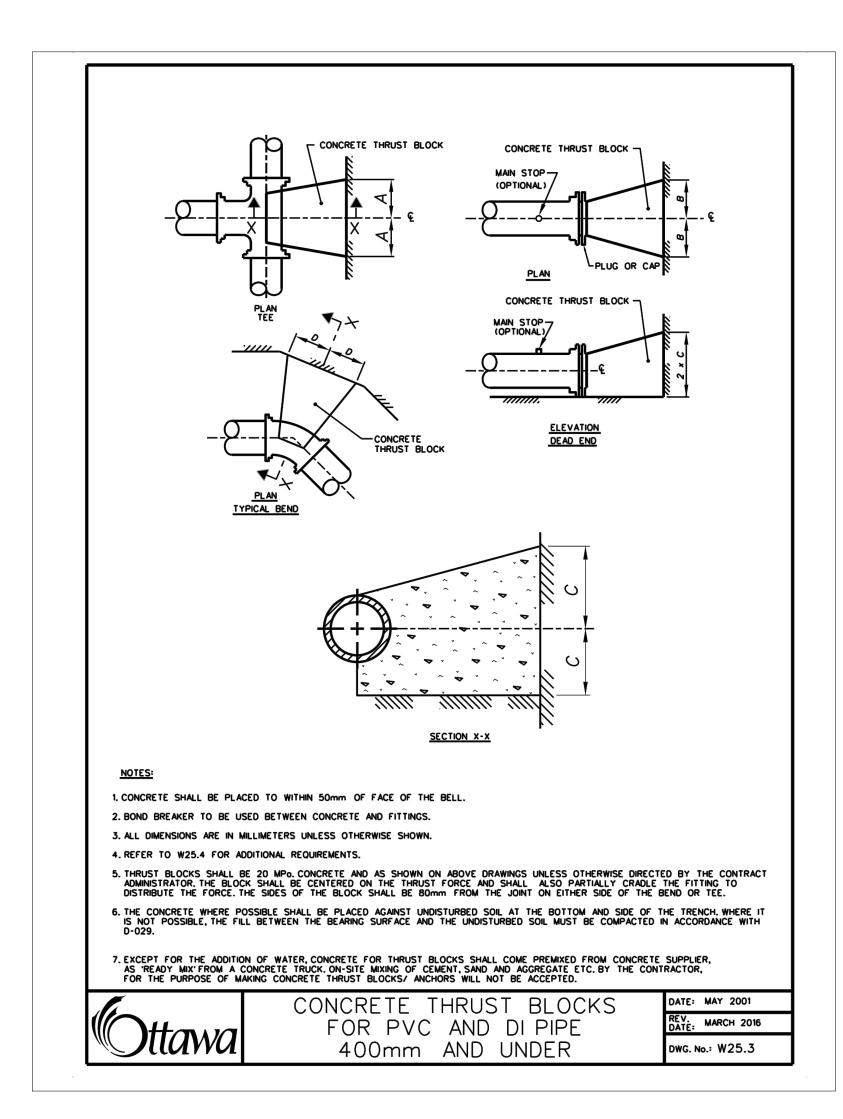
DETAILS 4

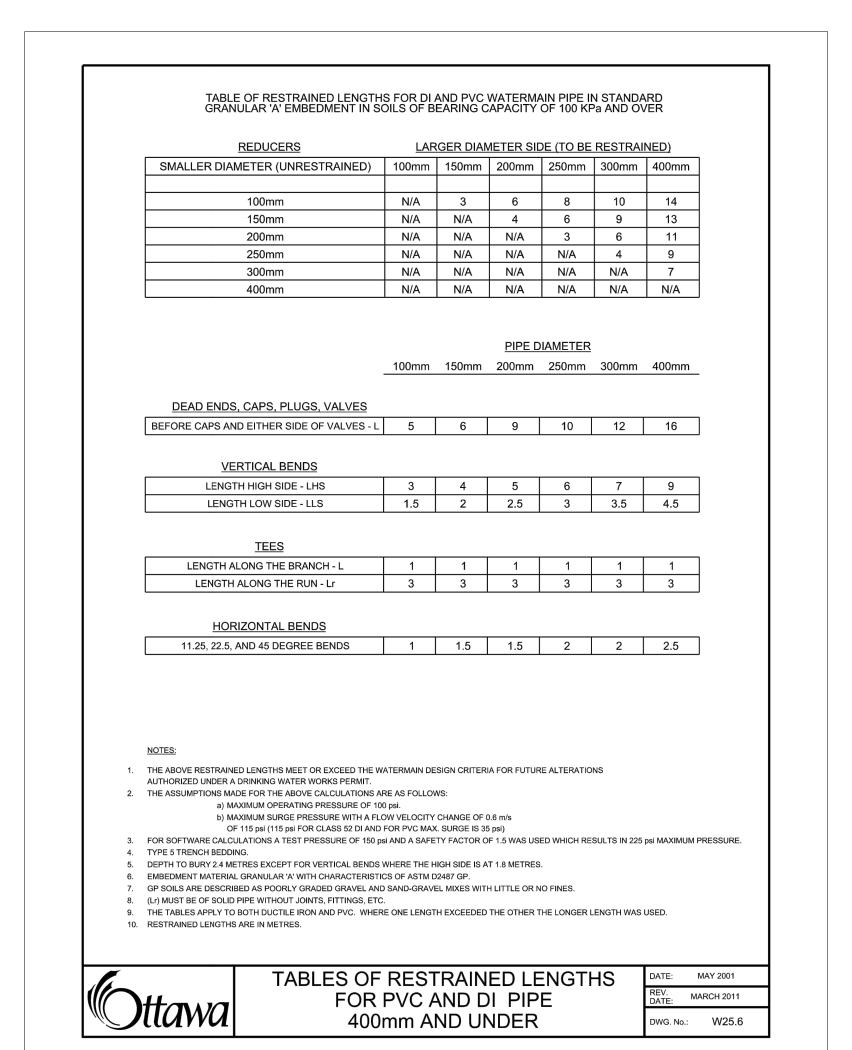
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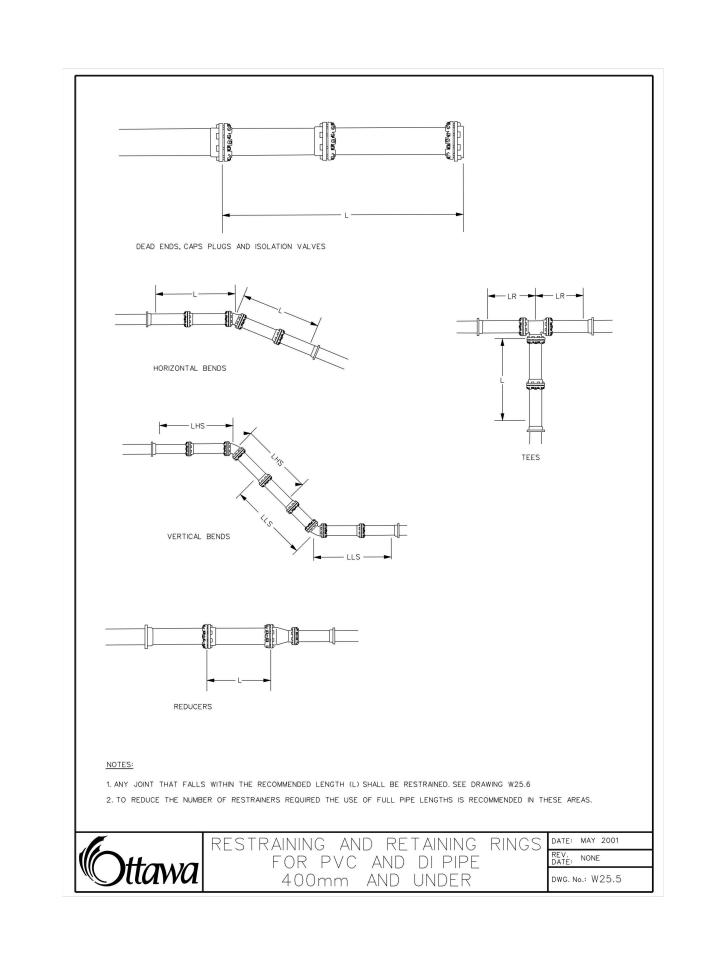


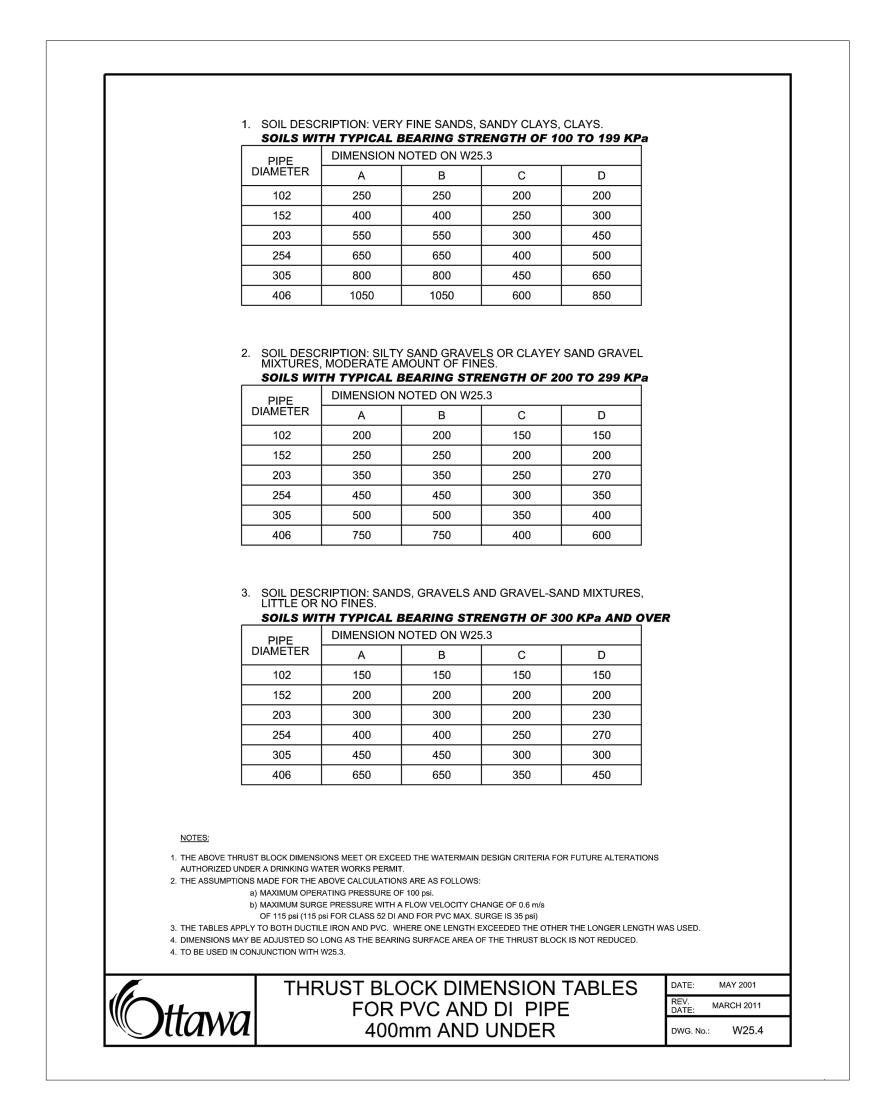




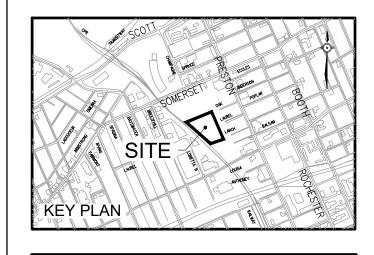








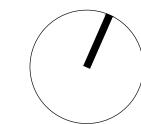




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D. Date Descripti

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GLADSTONE VILLAGE PHASE 1

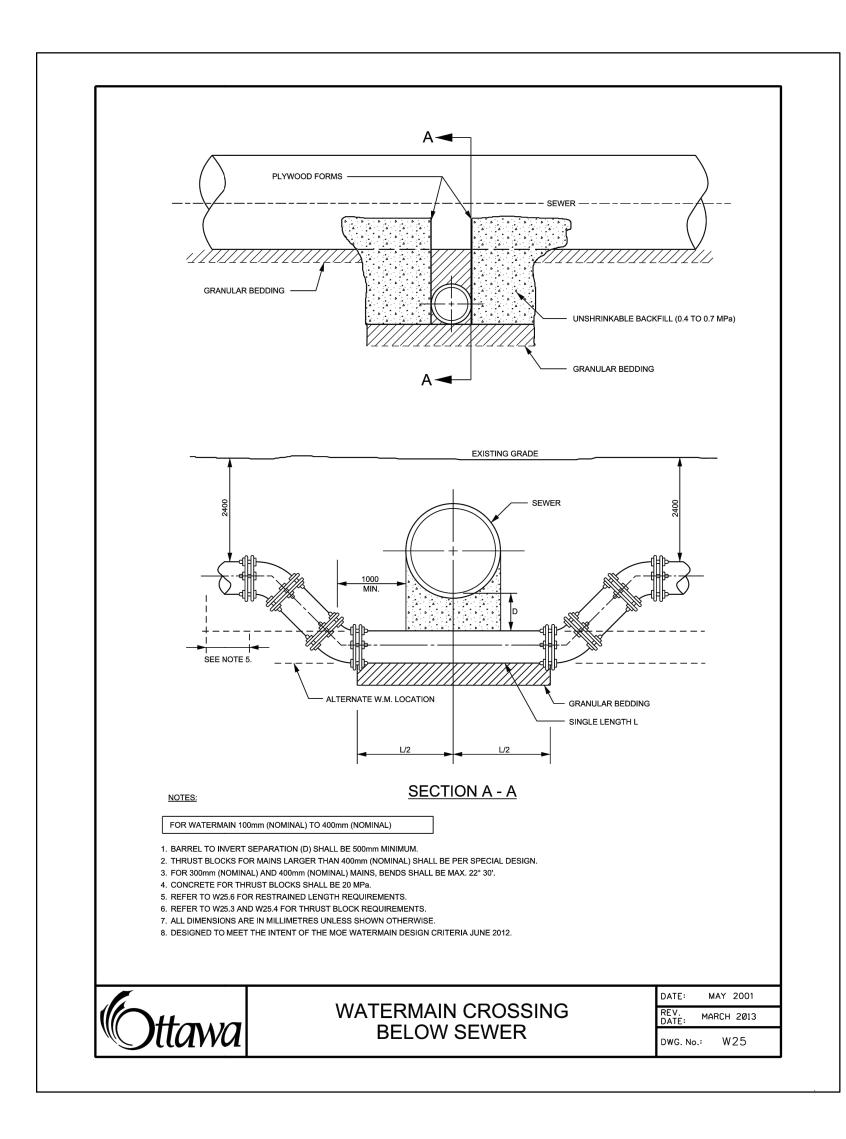
933 Gladstone Avenue - Phase 1

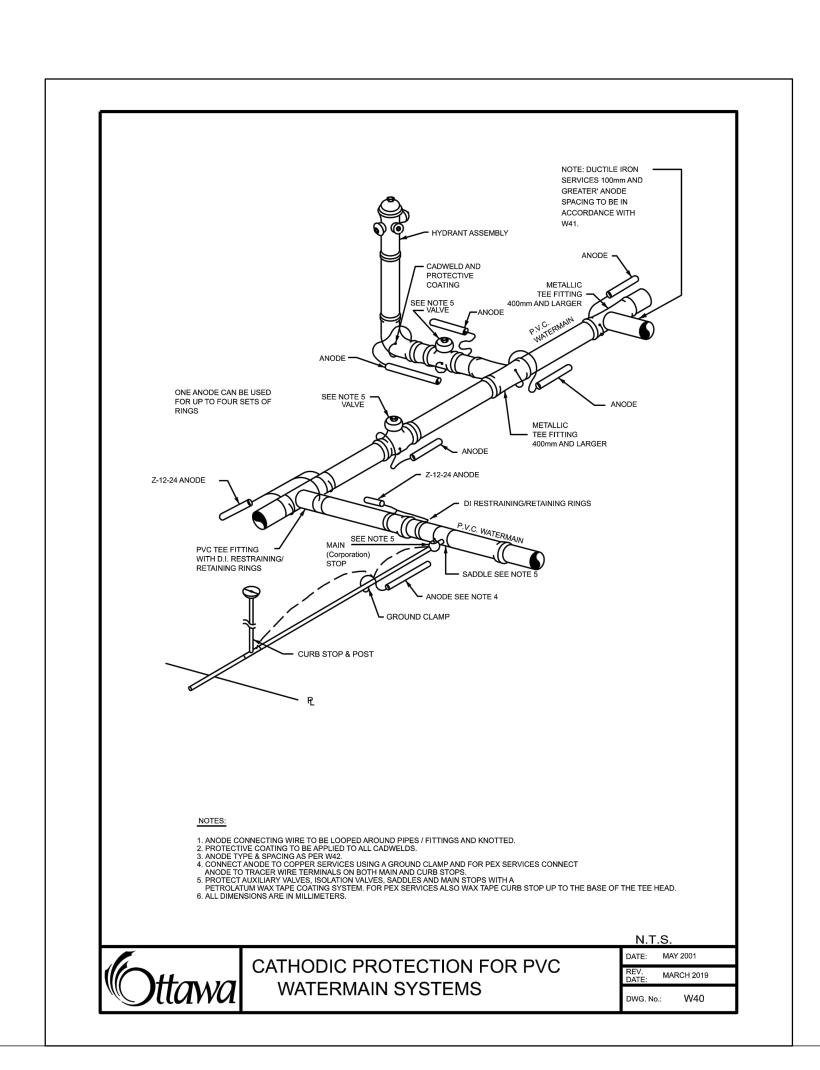
DETAILS 5

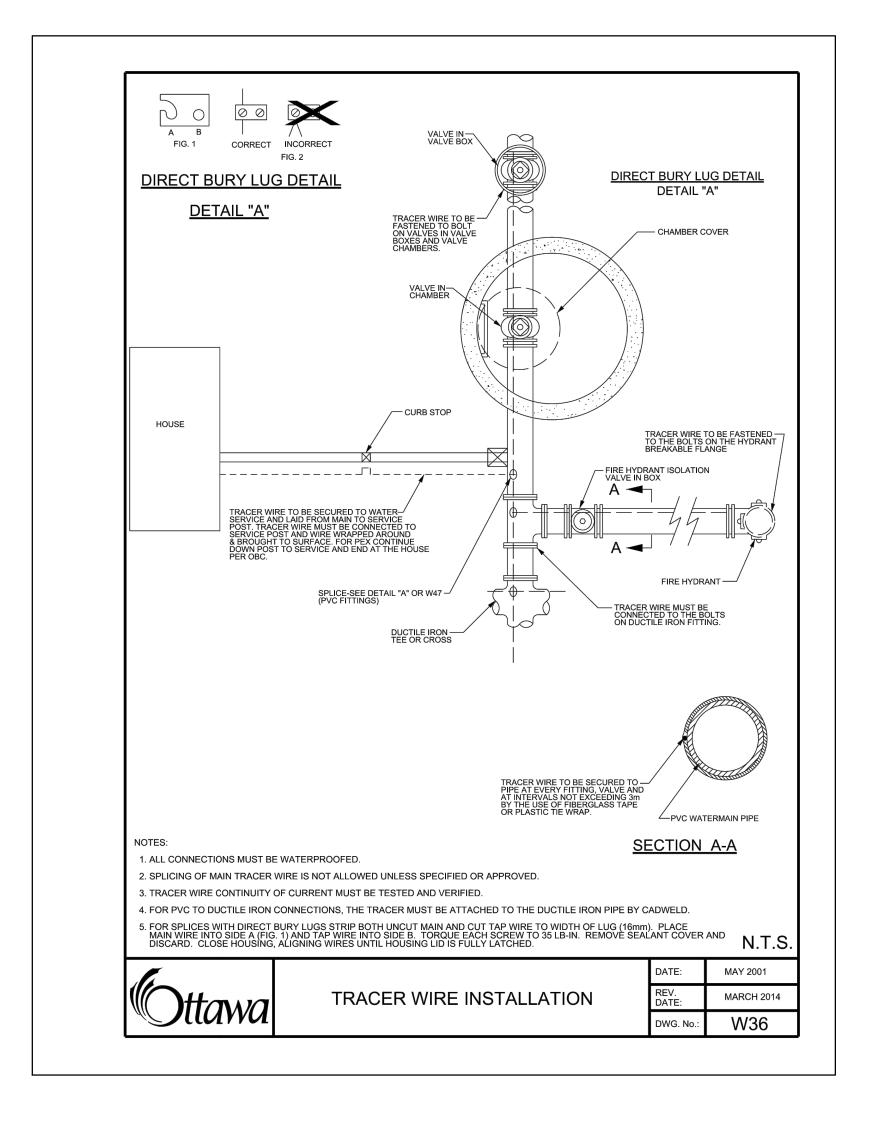
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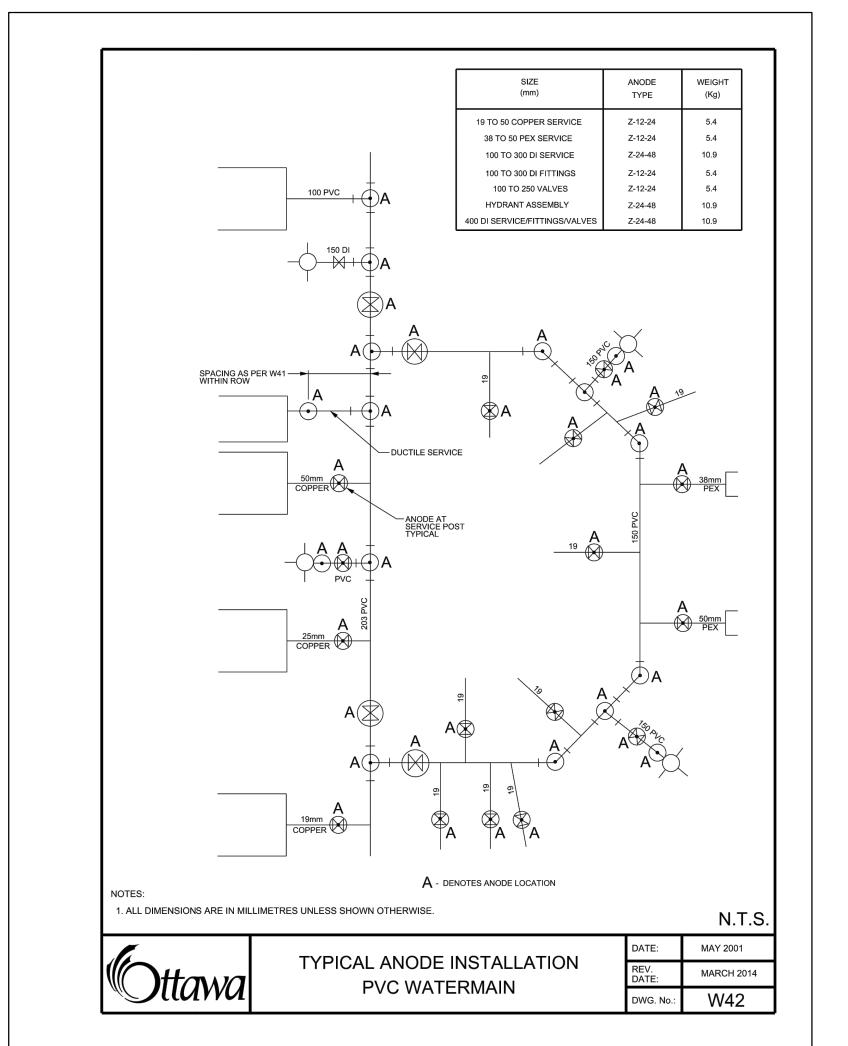
 Project No:
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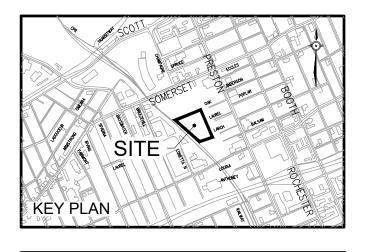




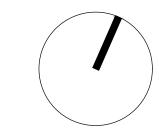








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GLADSTONE VILLAGE PHASE 1

933 Gladstone Avenue - Phase 1

DETAILS 6

Scale: N/A Project No: 210101900 08/09/21 Date:

DETAILS OF STORMWATER DETENTION TANK

REINFORCED CONCRETE STORMWATER DETENTION TANK GROSS VOLUME = 180m³ OVERALL HEIGHT = 2.3m TANK BOTTOM INV = 55.25 TANK TOP ELEV. = 57.65

TANK TOP ELEV. 57.65—

HWL 100 YEAR— ELEV. 57.65

HWL 2 YEAR—

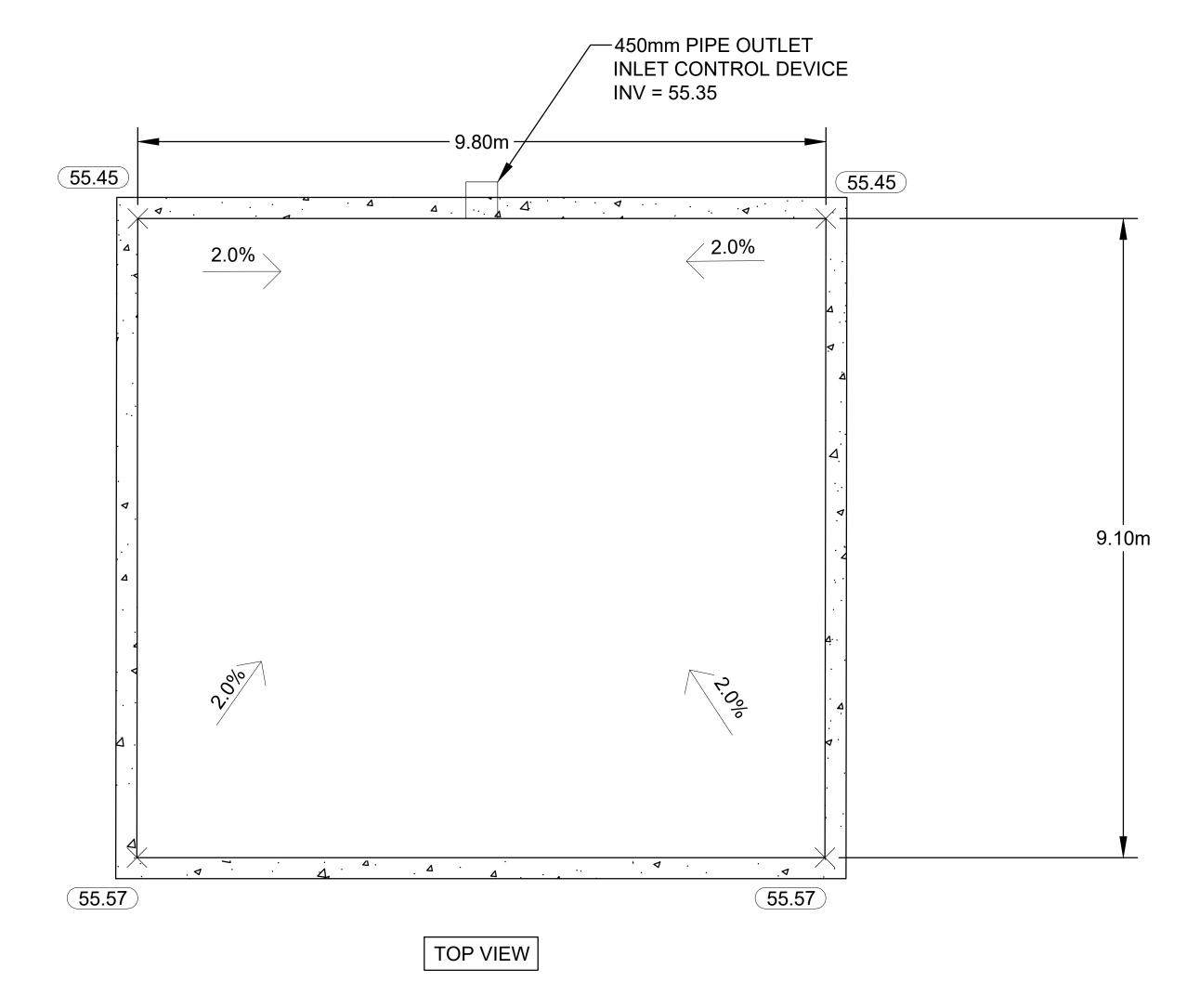
BOTTOM OF TANK—

ELEV. 55.25

BOTTOM SLOPED AT

2% GRADE

ELEV. 57.39



2.30m

-450mm PIPE CONNECTION

INV = 55.35

SIDE VIEW

┌ 0.30m

NOTES:

- REFER TO STRUCTURAL FOR CONCRETE AND REINFORCING DESIGN
- REFER TO IDC TABLE BELOW FOR ALL CONTROLLED FLOW REQUIREMENTS



PIPE OUTLET

× 59.46 PROPOSED ELEVATION

PROPOSED SLOPE DIRECTION

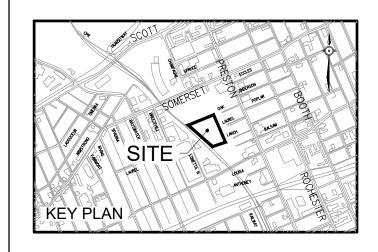
CONCRETE WALL

INLET CONTROL DEVICE DATA TABLE - 450mm PIPE OUTLET								
ESIGN VENT	ICD TYPE	DIAMETER OF OUTLET PIPE (mm)	DESIGN FLOW (L/s)	WATER ELEVATION (m)	REQUIRED VOLUME (m³)	TOTAL VOLUME PROVIDED (m³)		
1:2 YR	HYDROVEX 100VHV-1	450mmØ CONC.	10.9	57.39	136.8	180		
100 YR	HYDROVEX 100VHV-1	450mmØ CONC.	11.7	57.65	173.6	180		

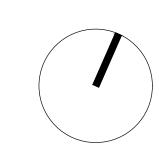




MORRISON HERSHFIELD 200-2932 BASELINE ROAD, OTTAWA, ON K2H 1B1



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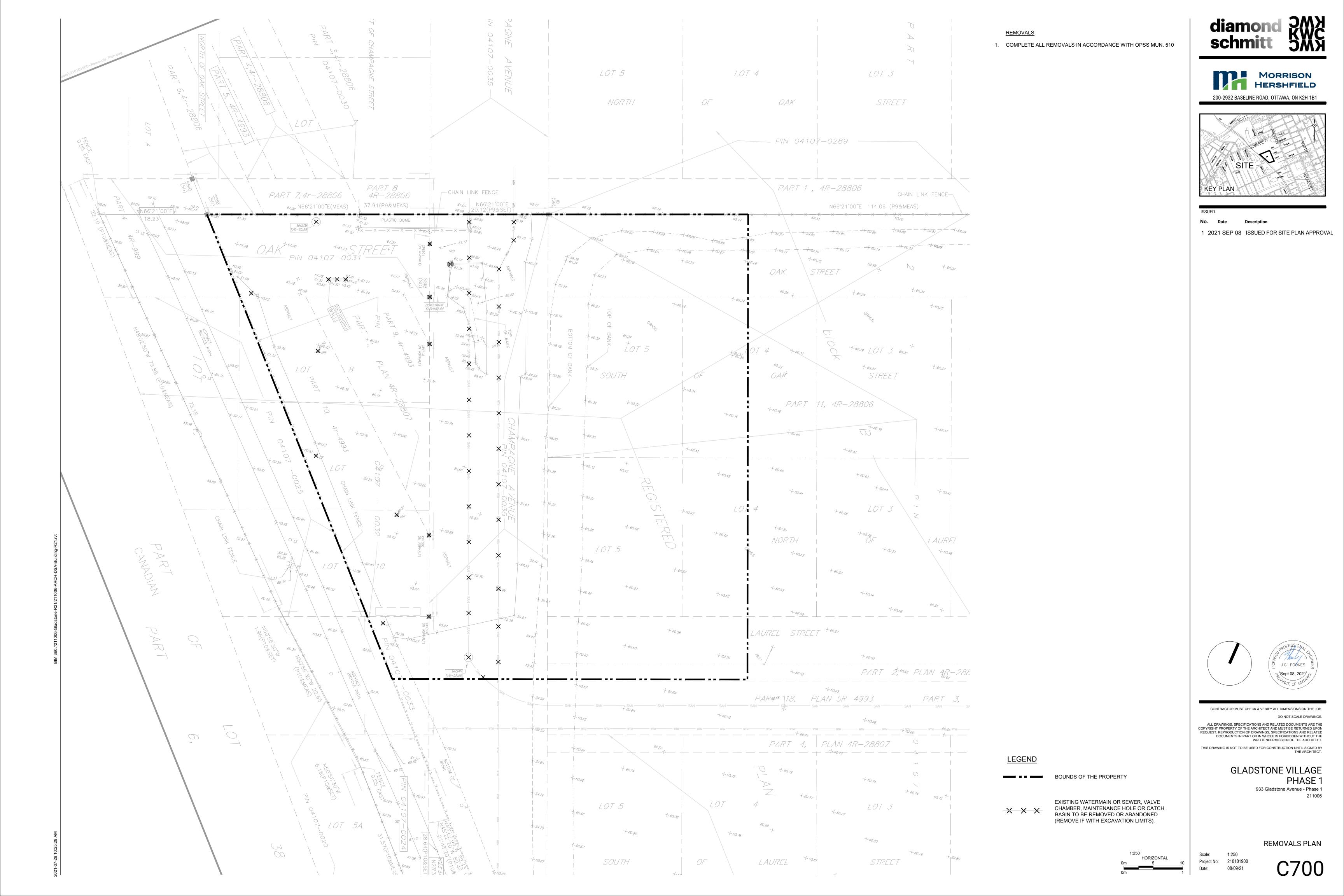
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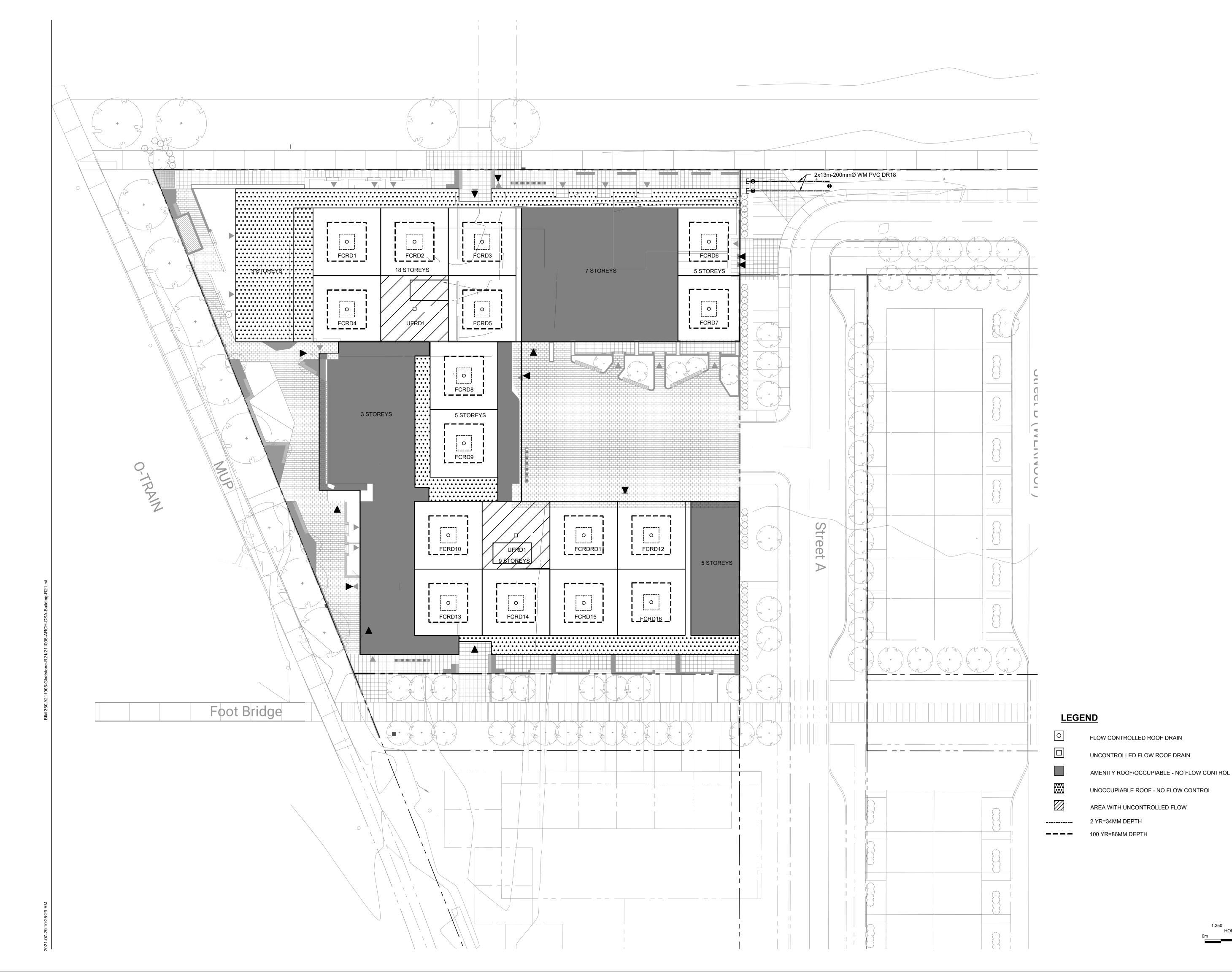
> GLADSTONE VILLAGE PHASE 1 933 Gladstone Avenue - Phase 1

> > DETAILS 7

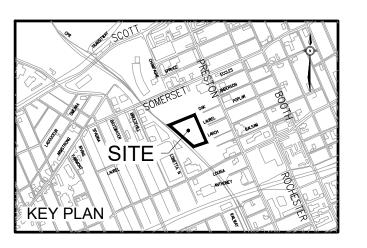
Project No: 210101900 08/09/21

Date:

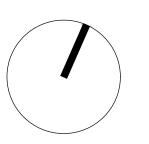








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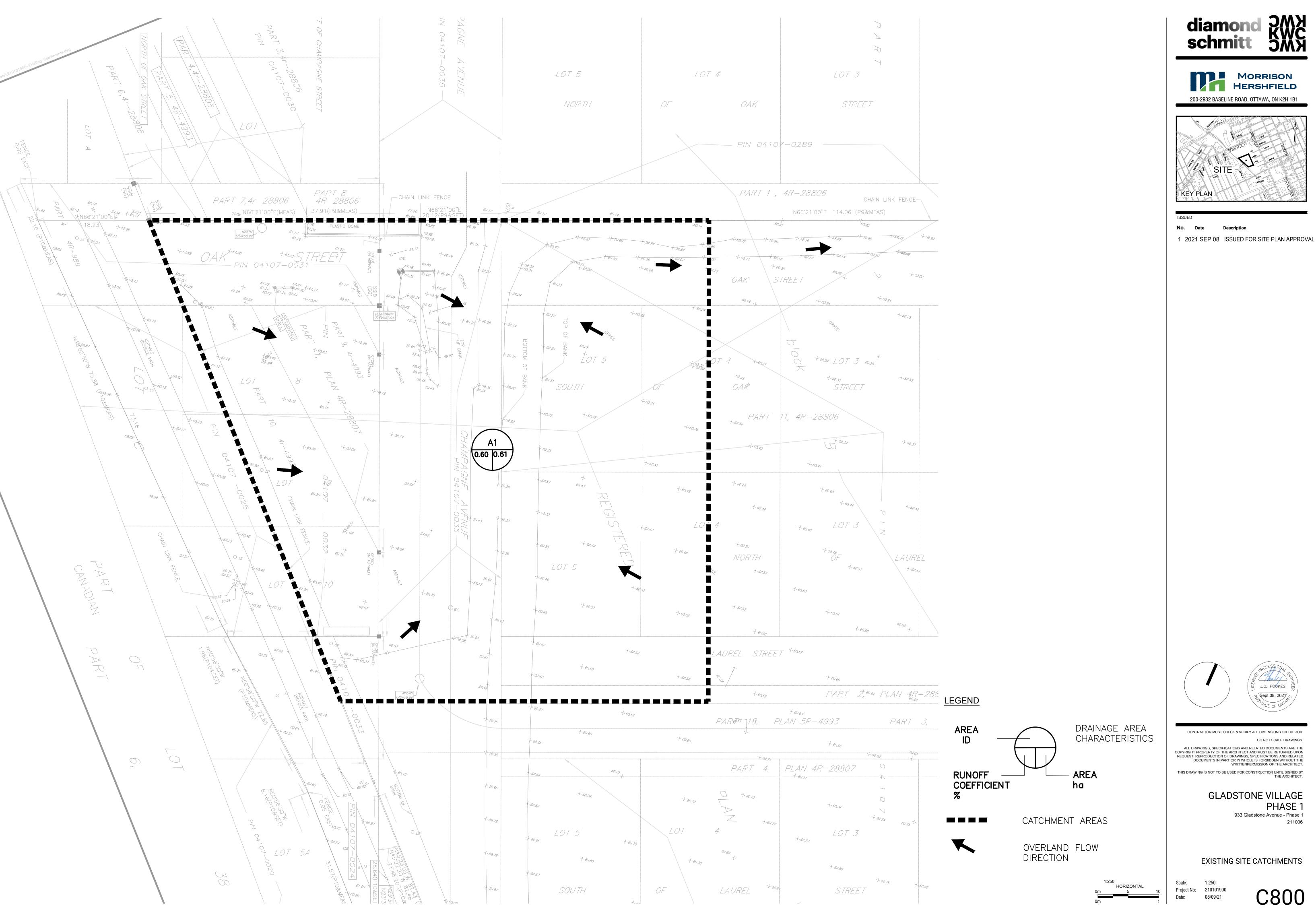
PHASE 1 933 Gladstone Avenue - Phase 1

ROOF DRAIN LAYOUT &

1:250 Scale: Project No: 210101900

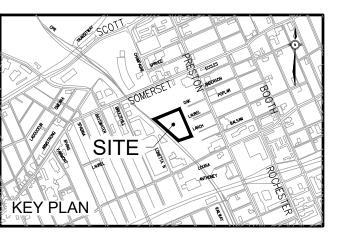
Date: 08/09/21

HORIZONTAL



diamond XWC SChmitt XMC

MORRISON HERSHFIELD 200-2932 BASELINE ROAD, OTTAWA, ON K2H 1B1

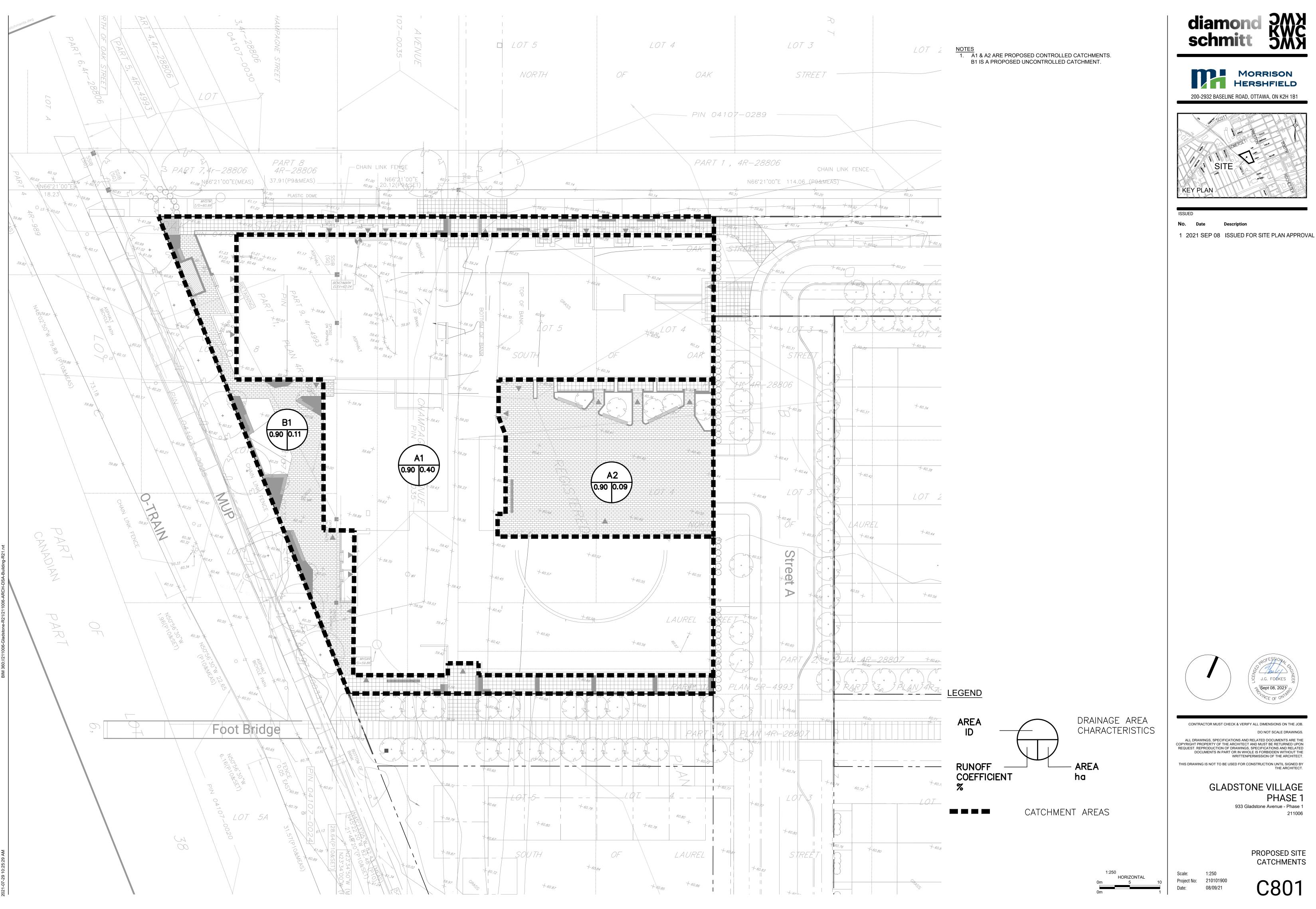


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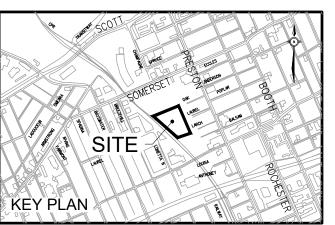
EXISTING SITE CATCHMENTS

1:250









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GLADSTONE VILLAGE

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> PROPOSED SITE CATCHMENTS